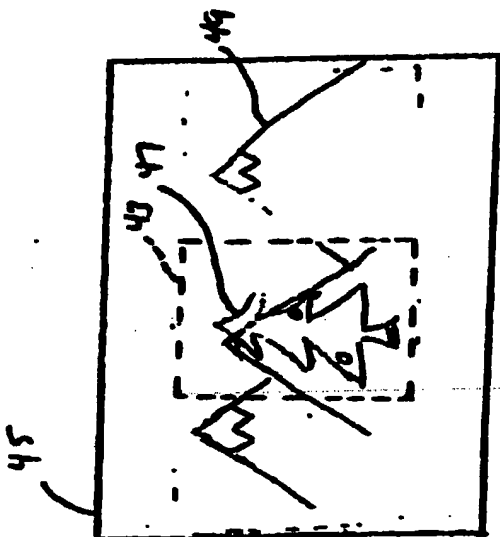
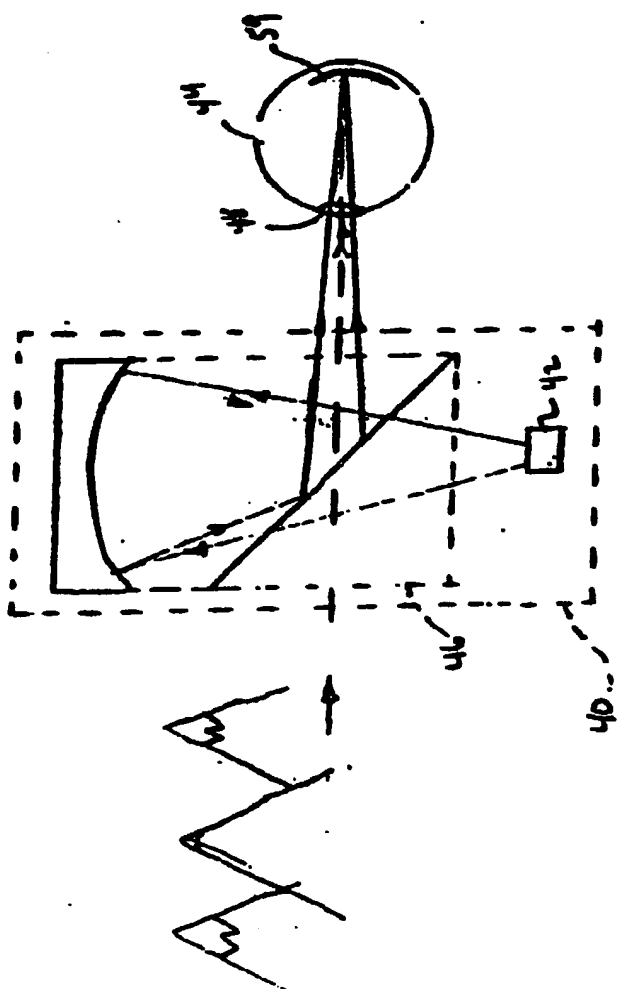


26



FILE 2A



F/G/

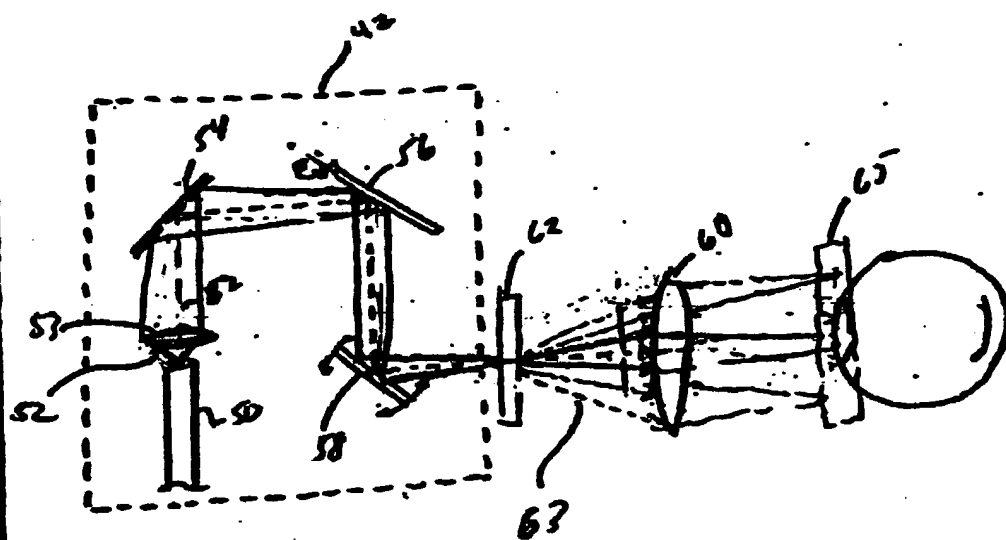


FIG 3

09400350-092099

BEST AVAILABLE COPY

A

B



Fig. 4.

660260-0500460

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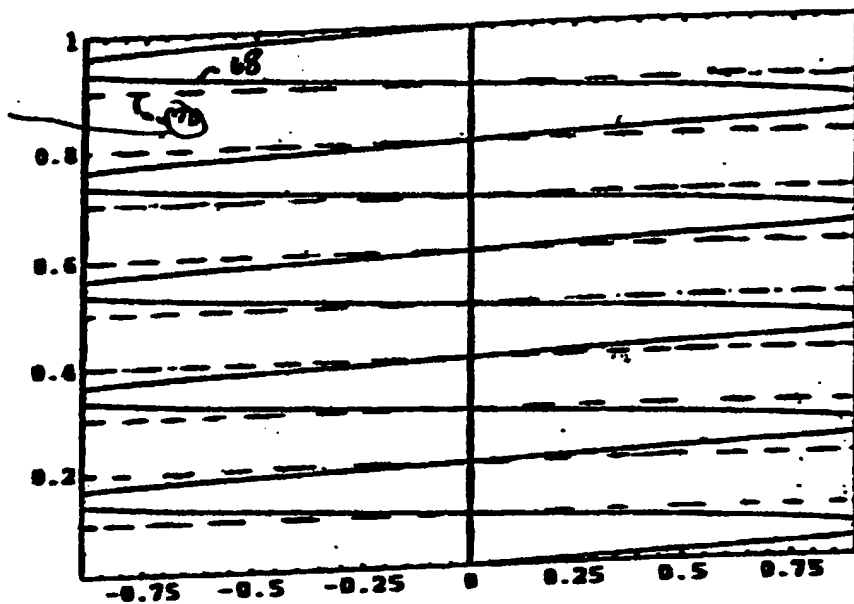


FIG 5

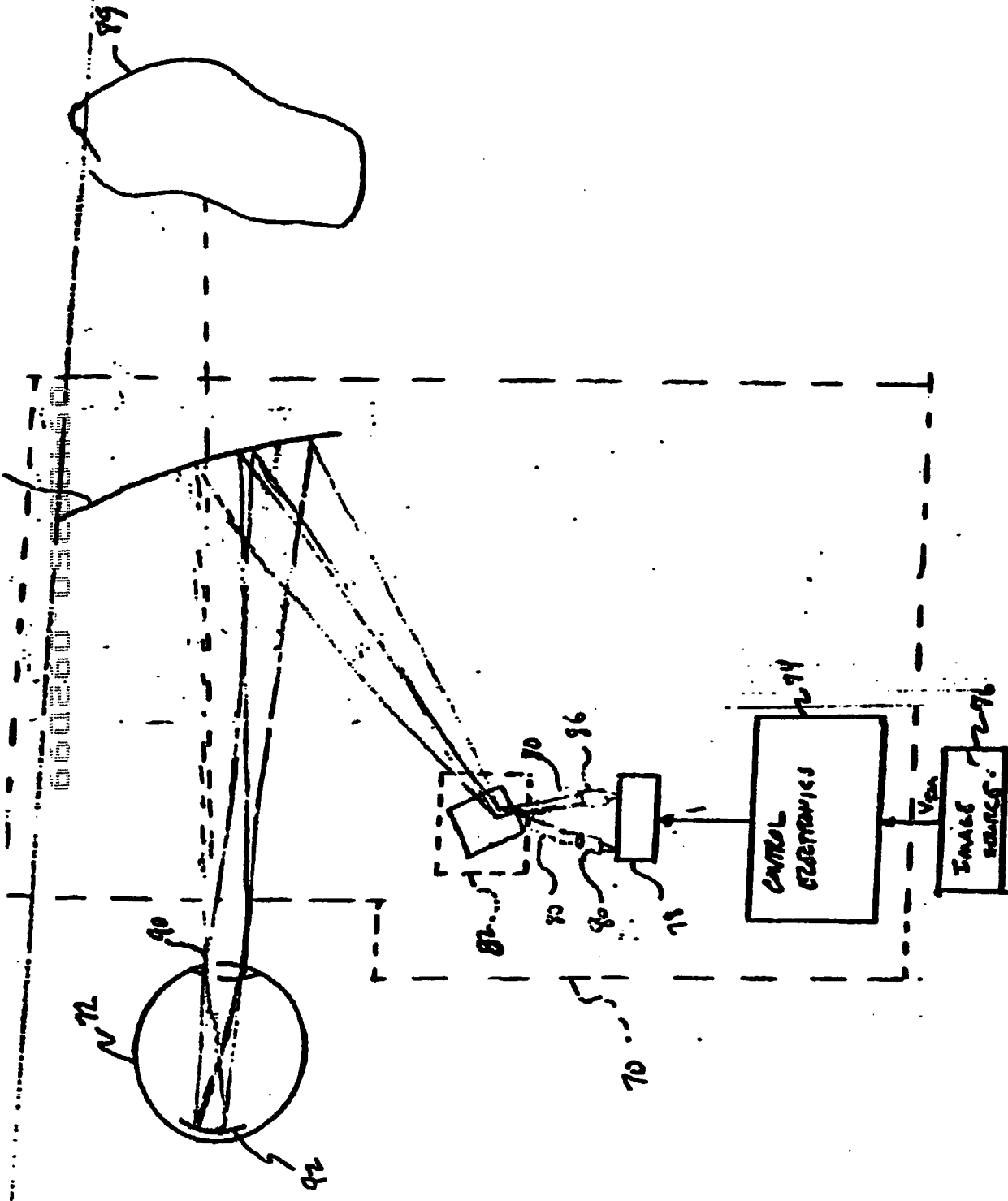


FIG 6

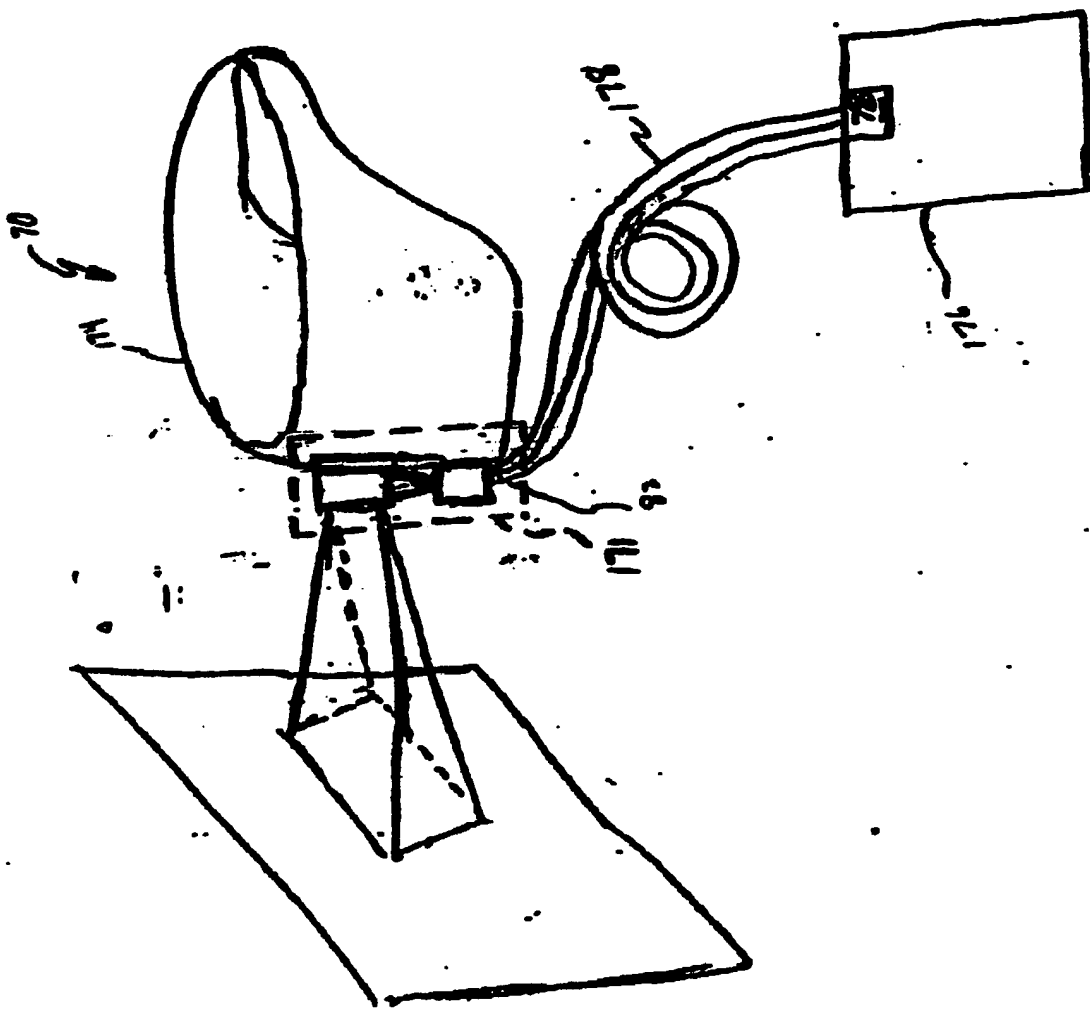


FIG. 7

0000000500460

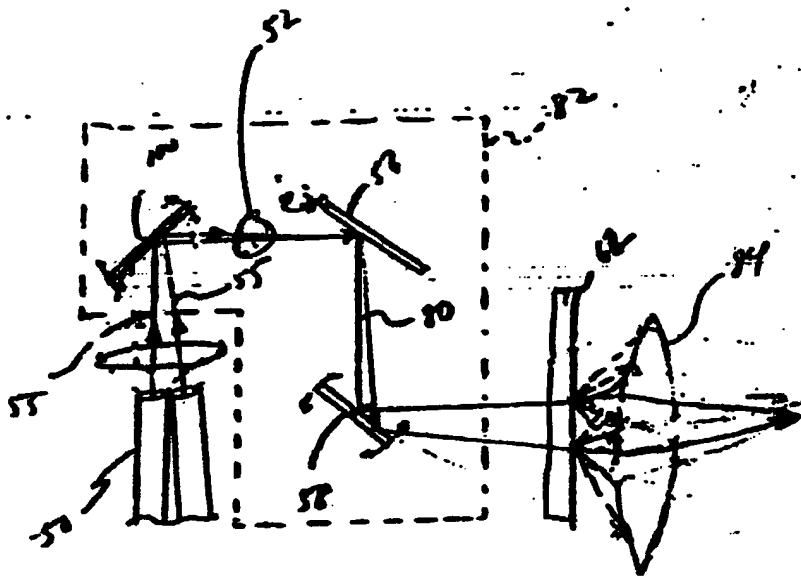


FIG. 8

FIG 9



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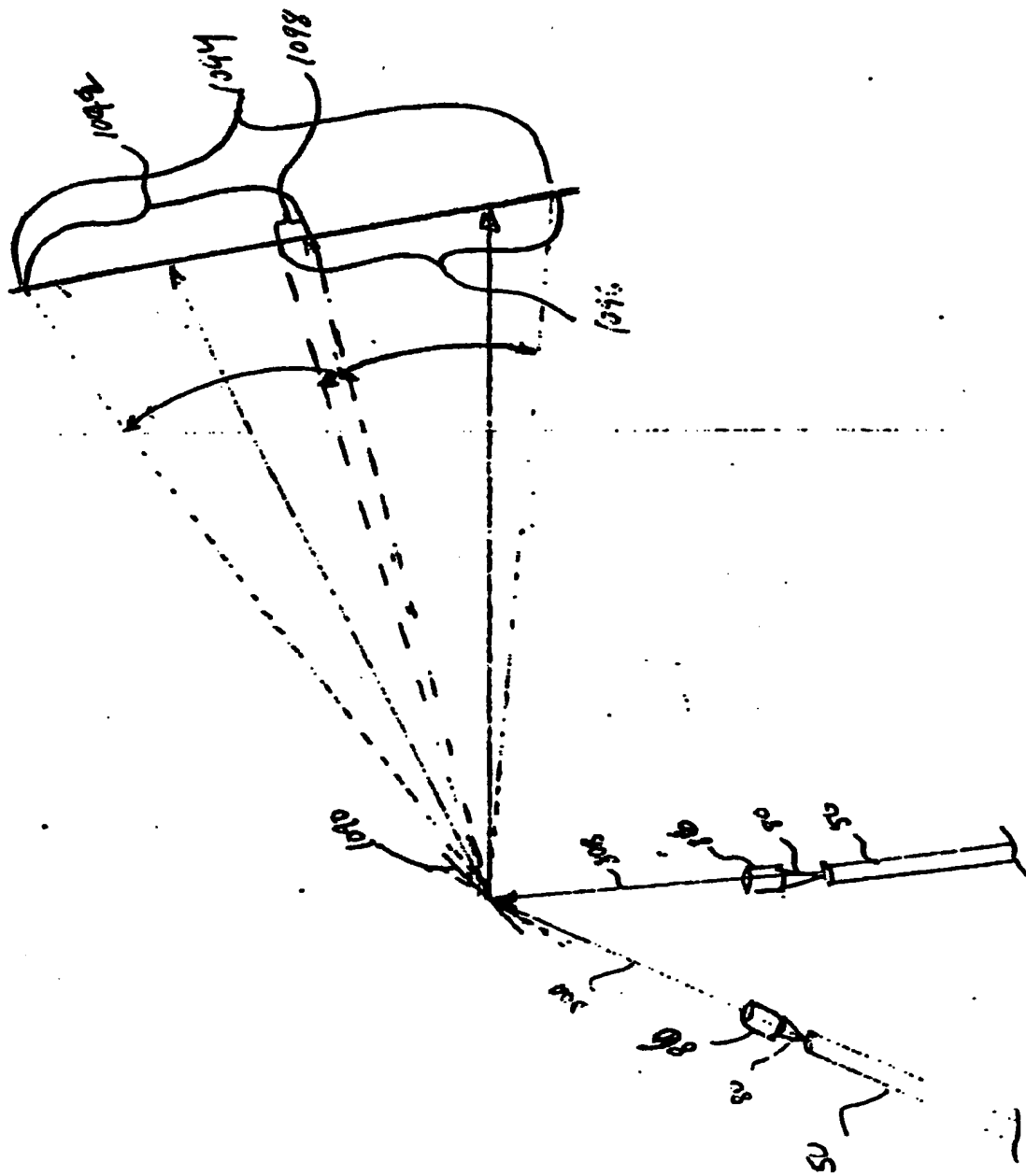


FIG 10

660260-0500460

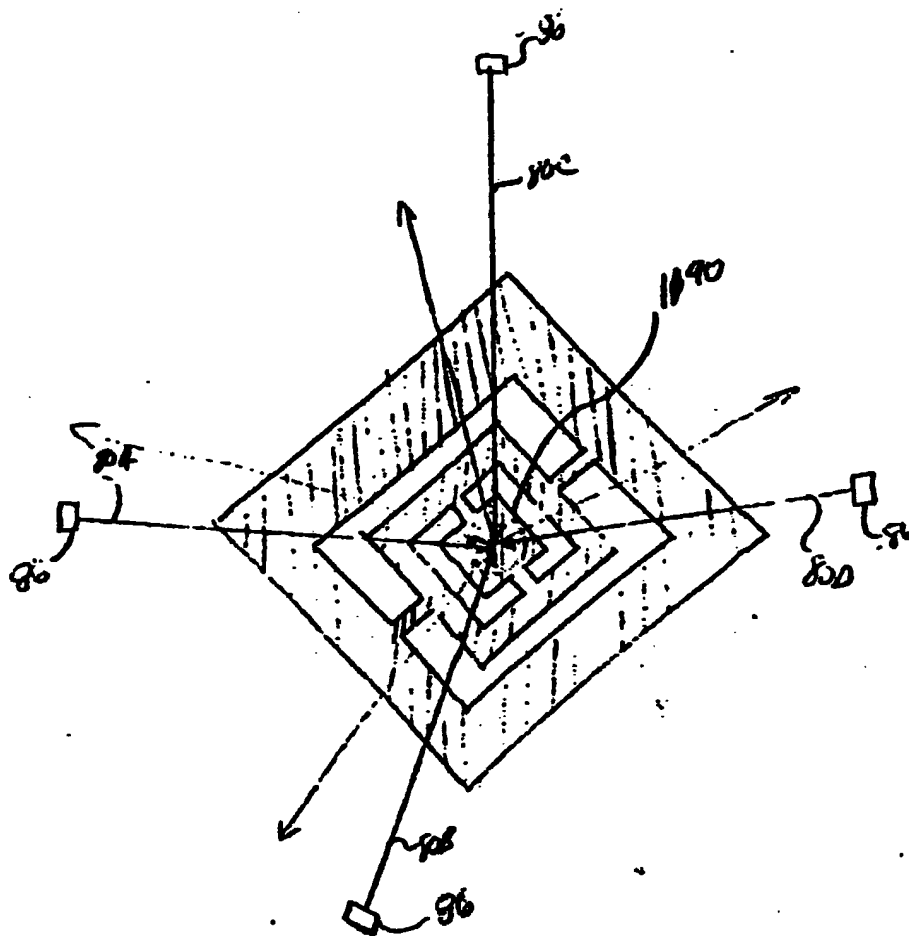


FIG. 11

cross-section

140

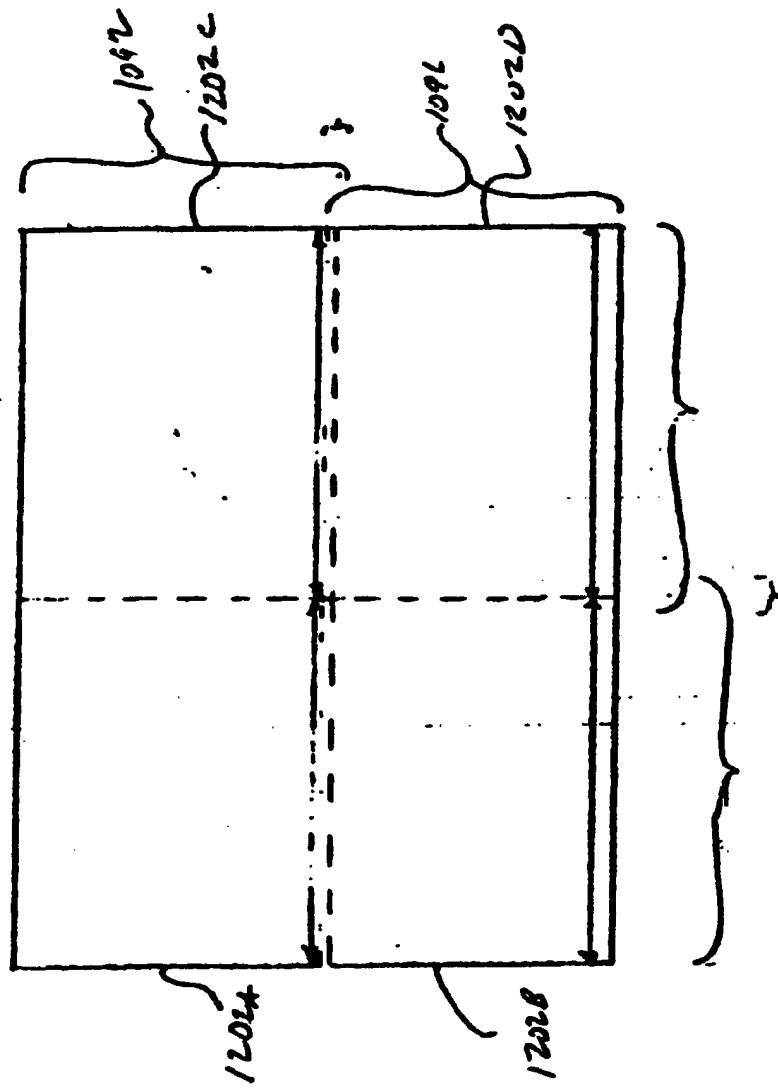


FIG. 12

660260-0500460

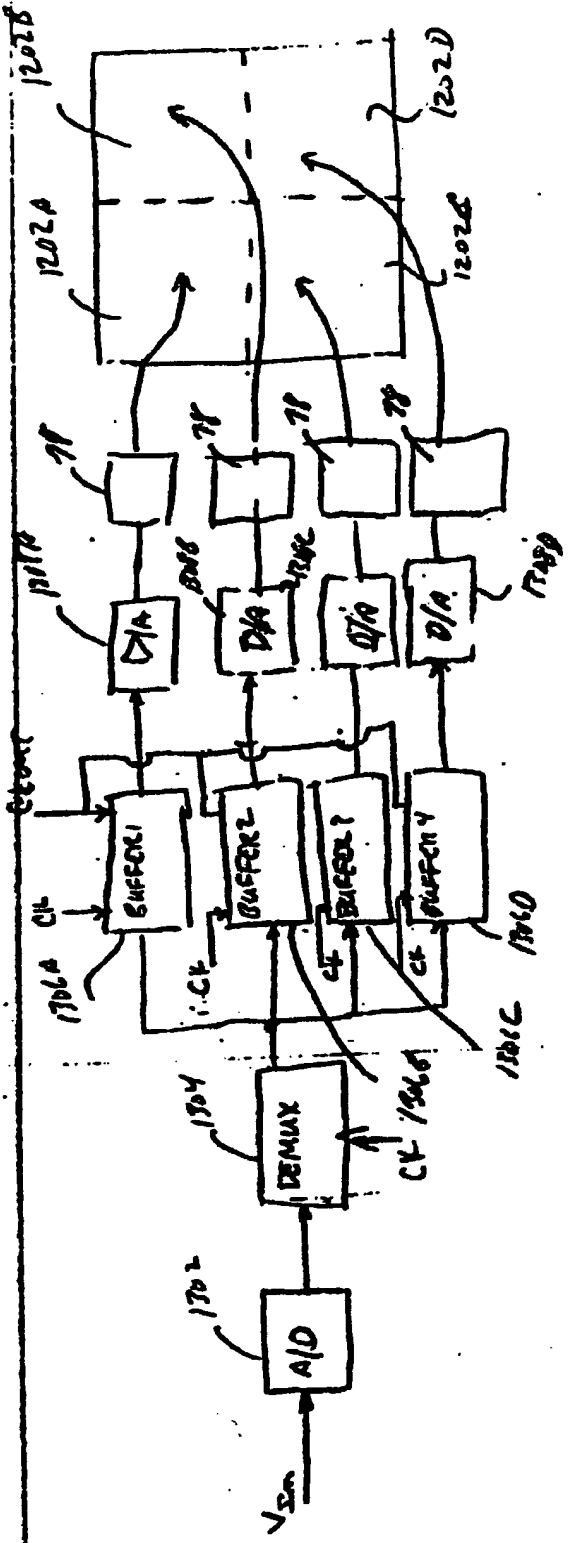
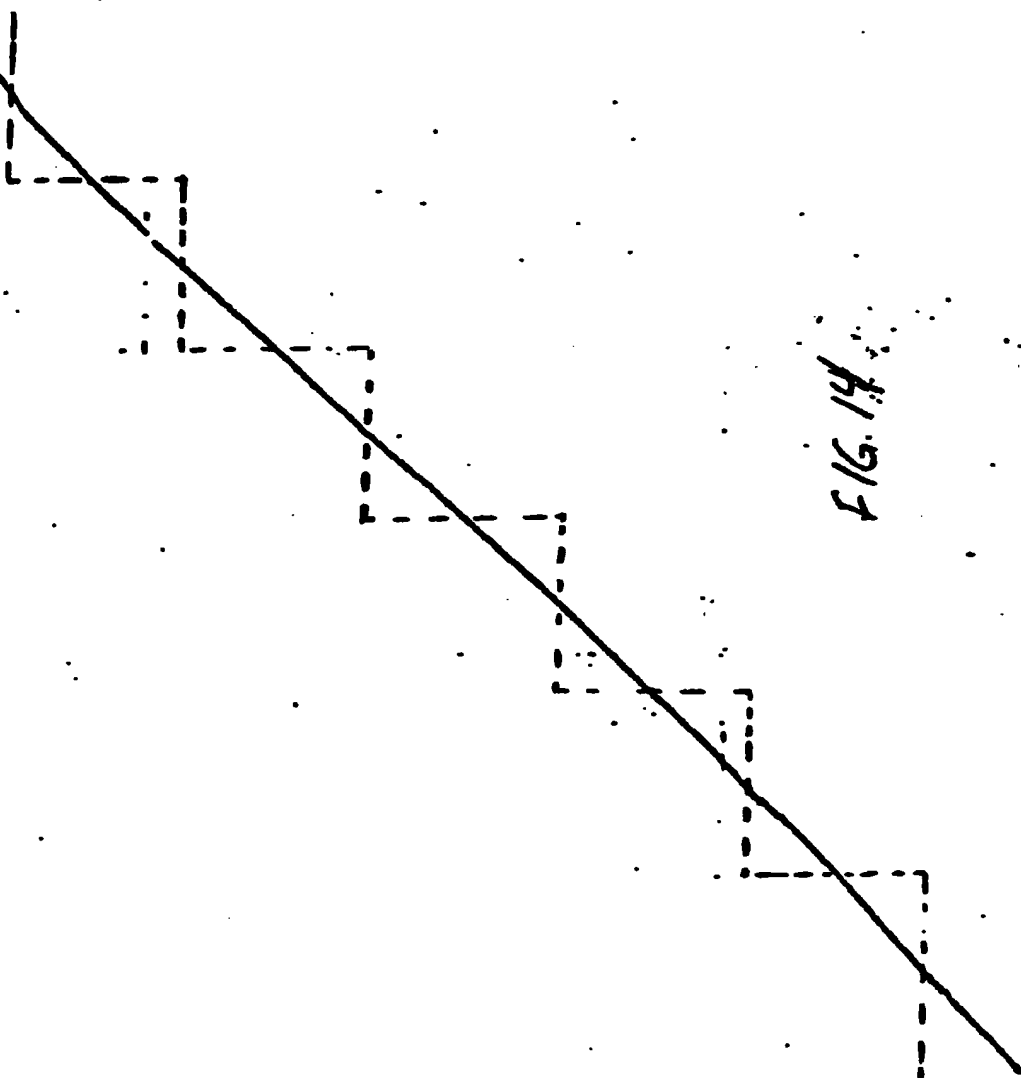


FIG 13

0940300 022000

11.915



五、

F1615

600260-05200460

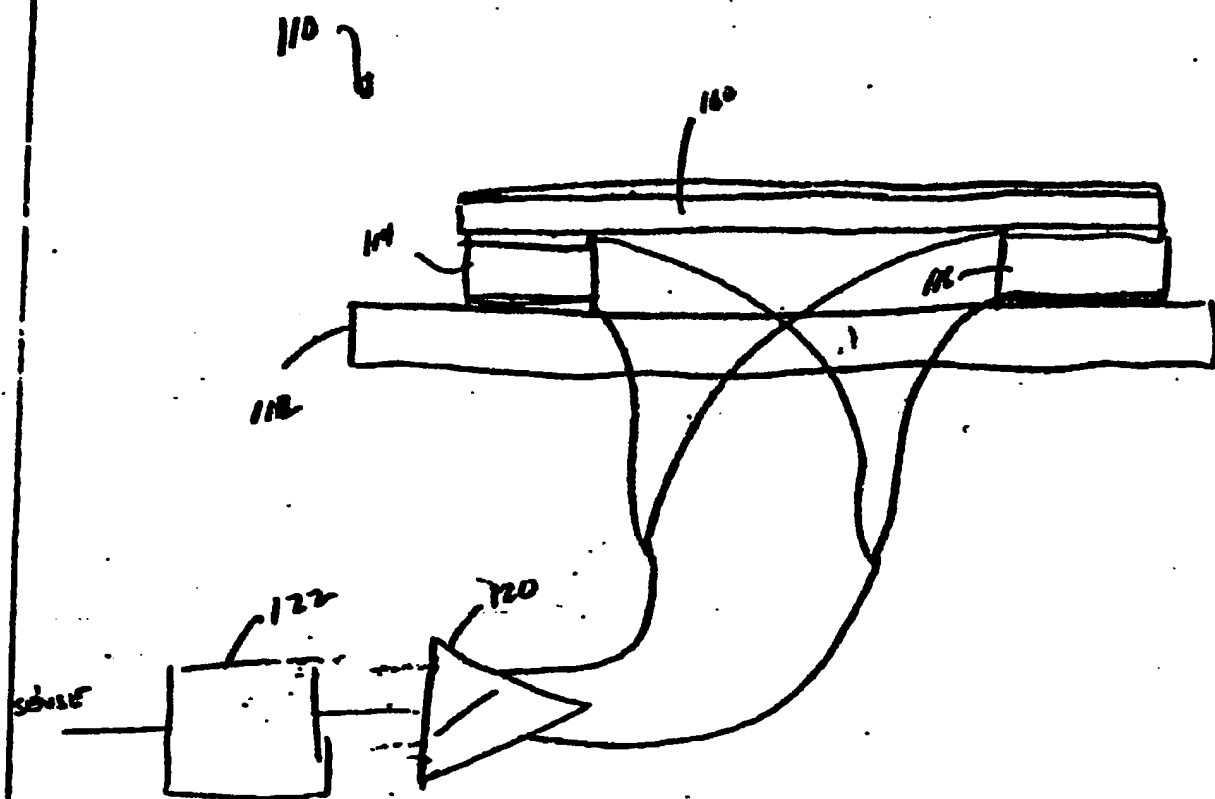


FIG 1.6

660260-05E0460

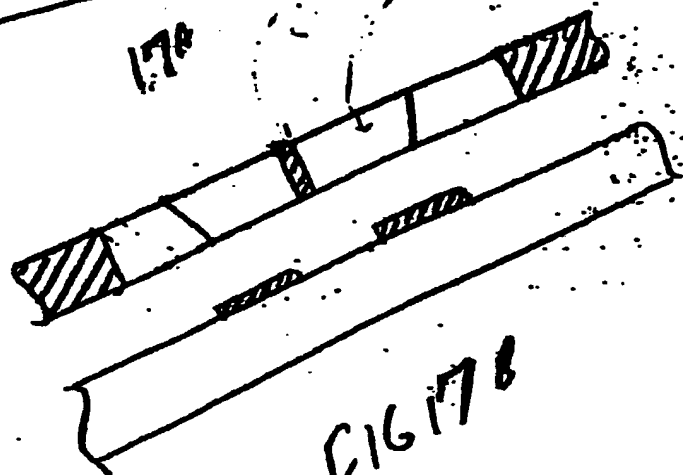
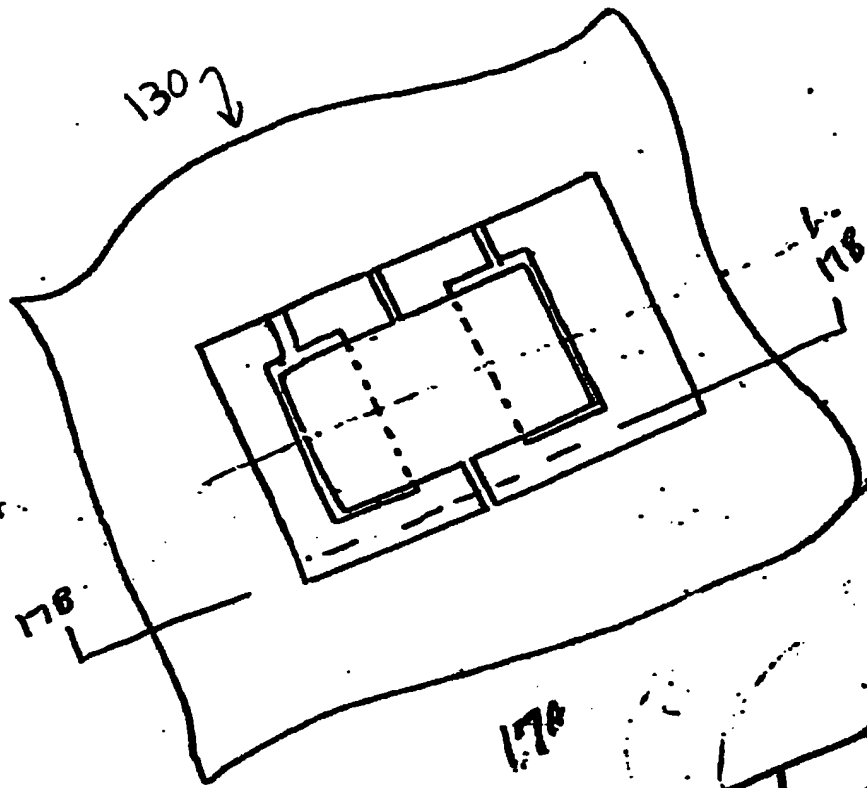
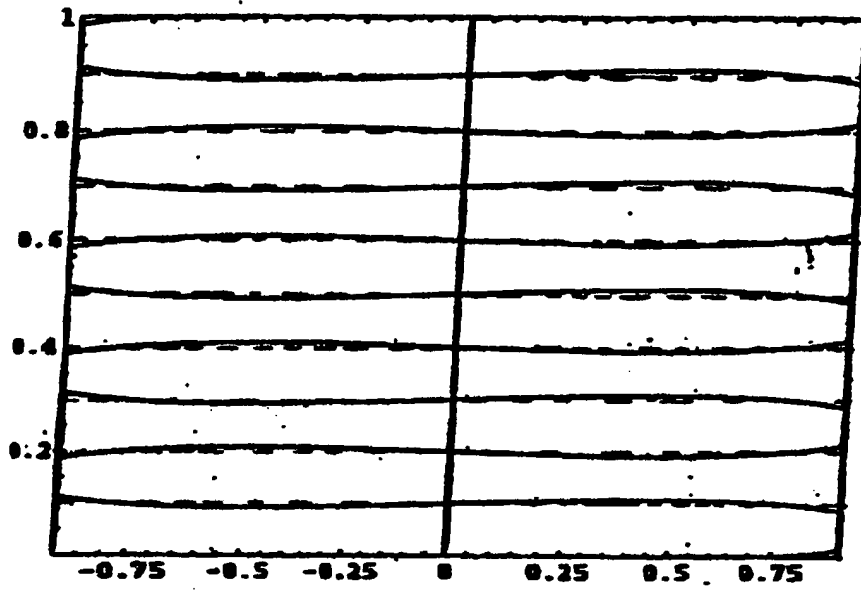
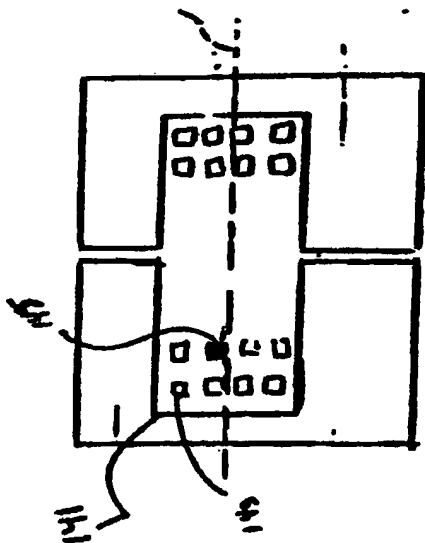


FIG 178





**FIG 18:**



141



FIG 20

FIG 19

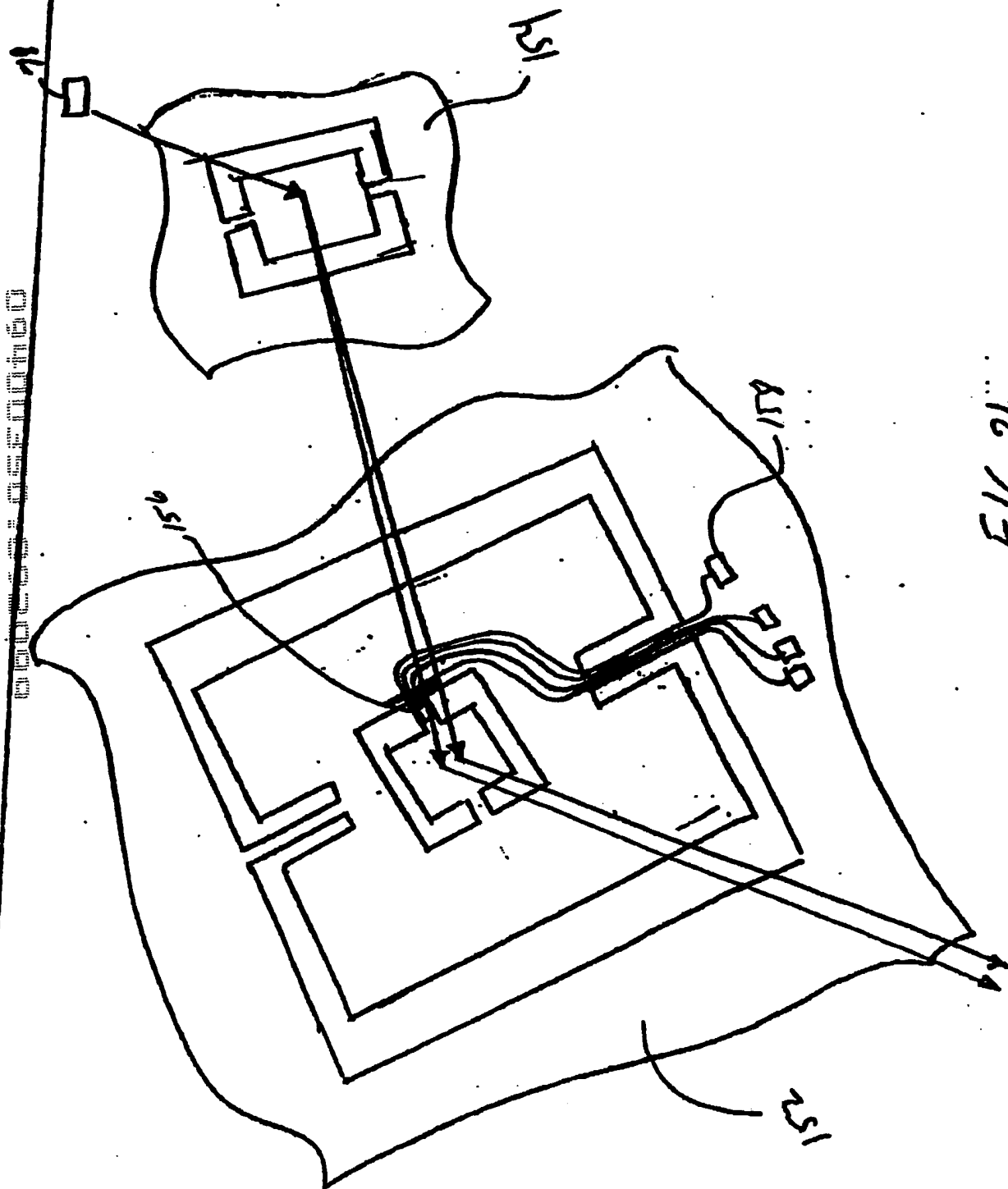
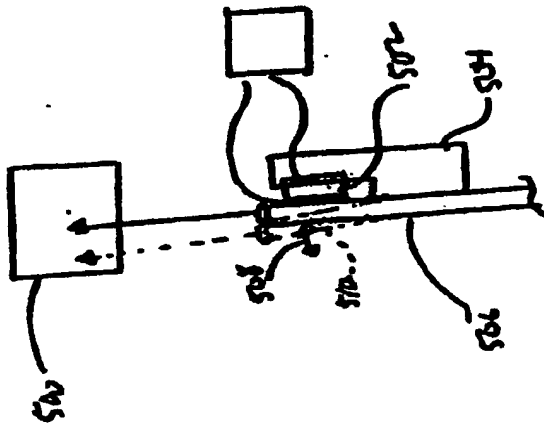
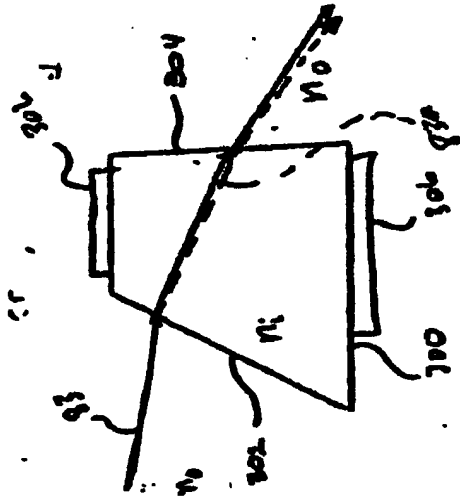


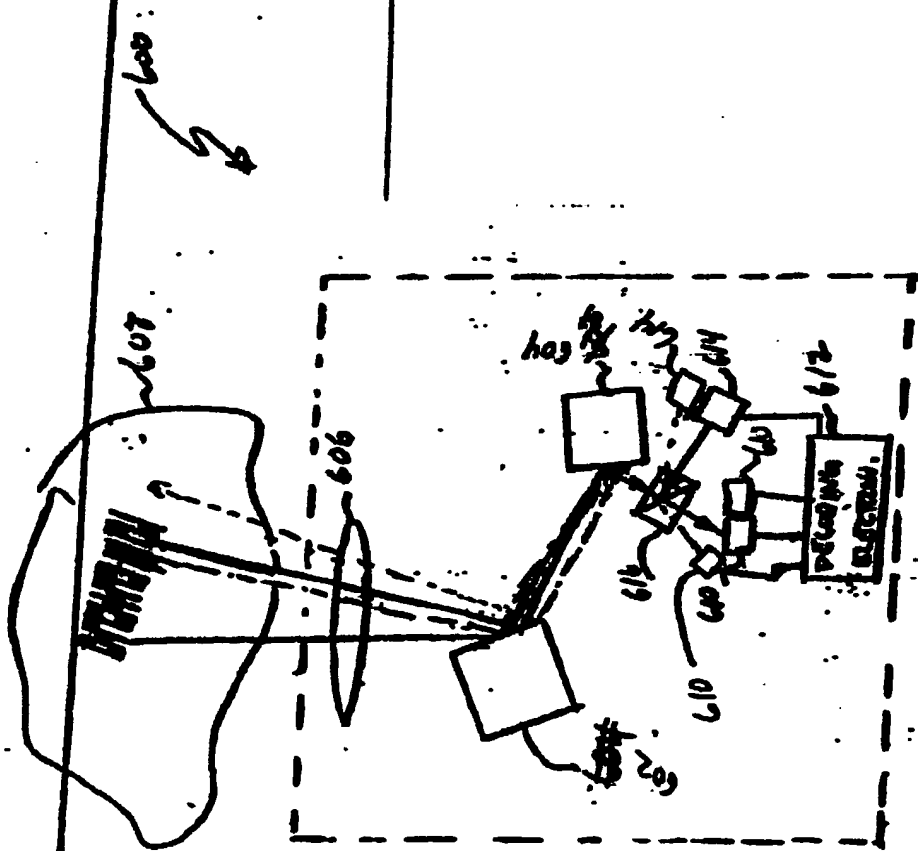
FIG. 21



F16,22

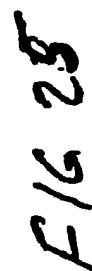


F1623

[illegible]

F16.231

917

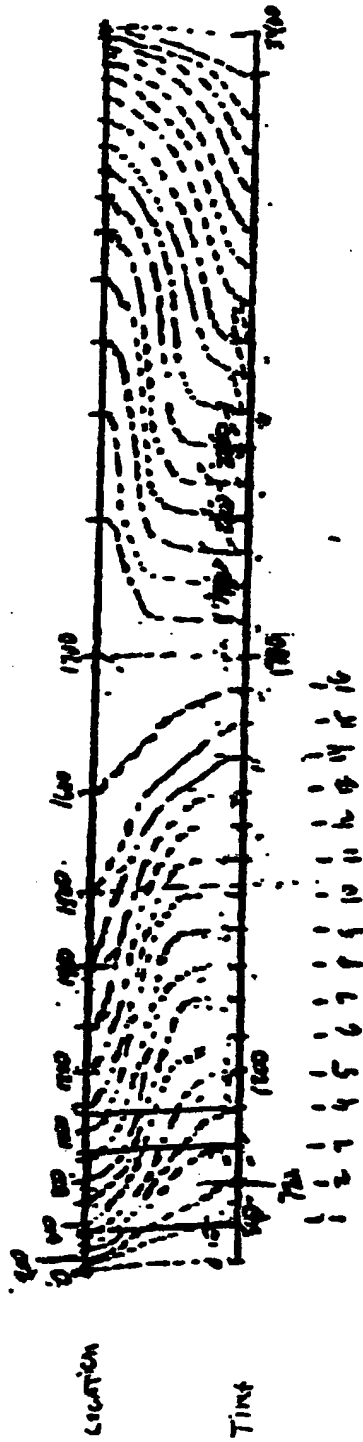


F/G 25

# SECTION 00200

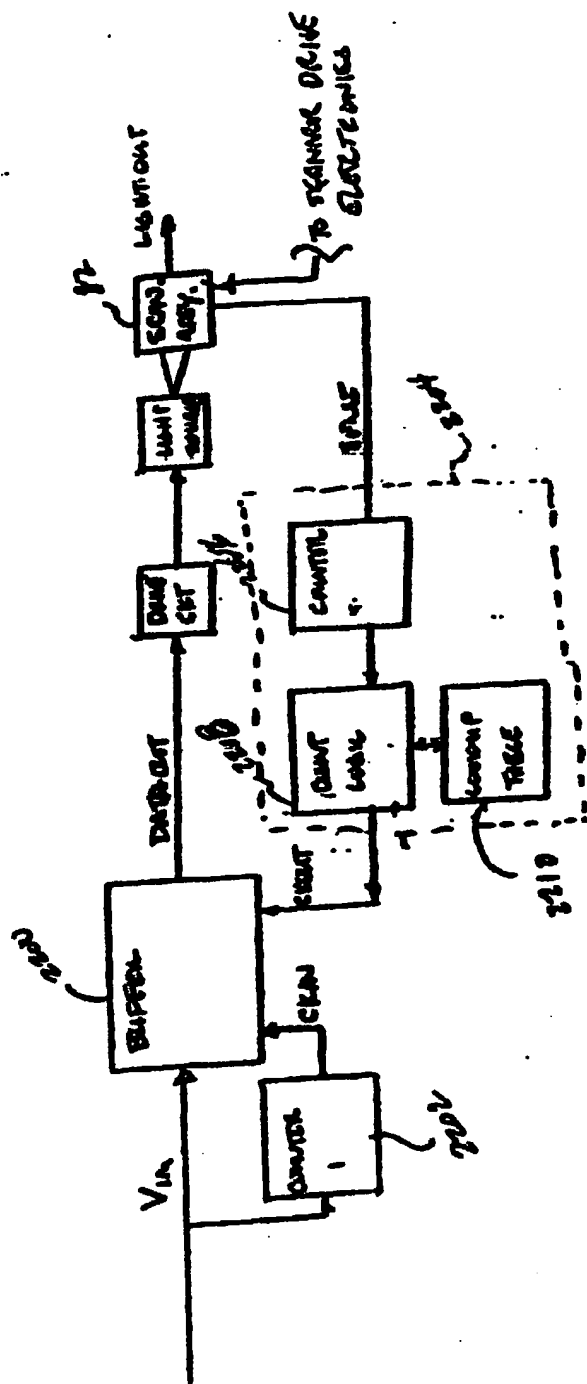


F1626



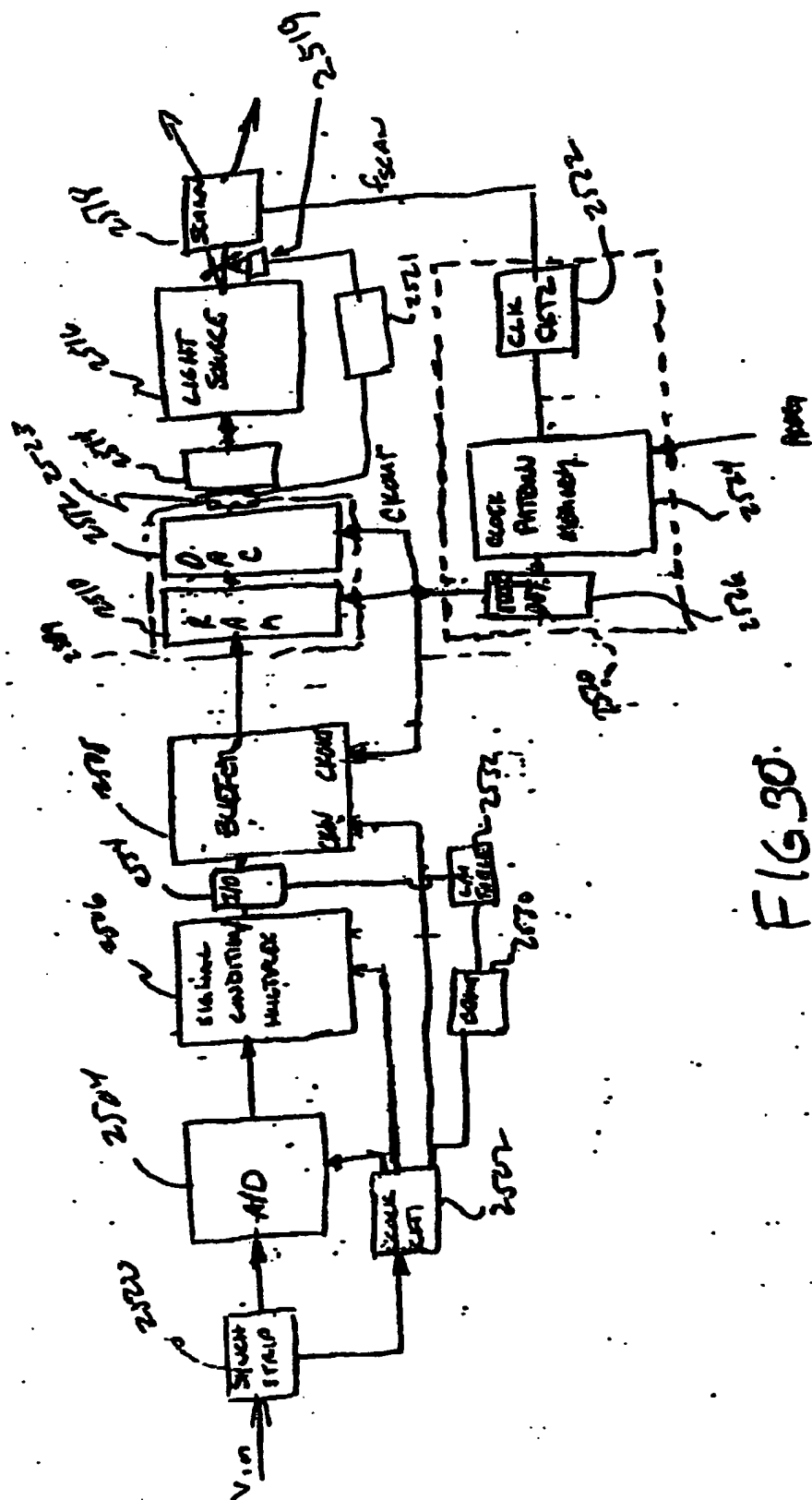
F1627

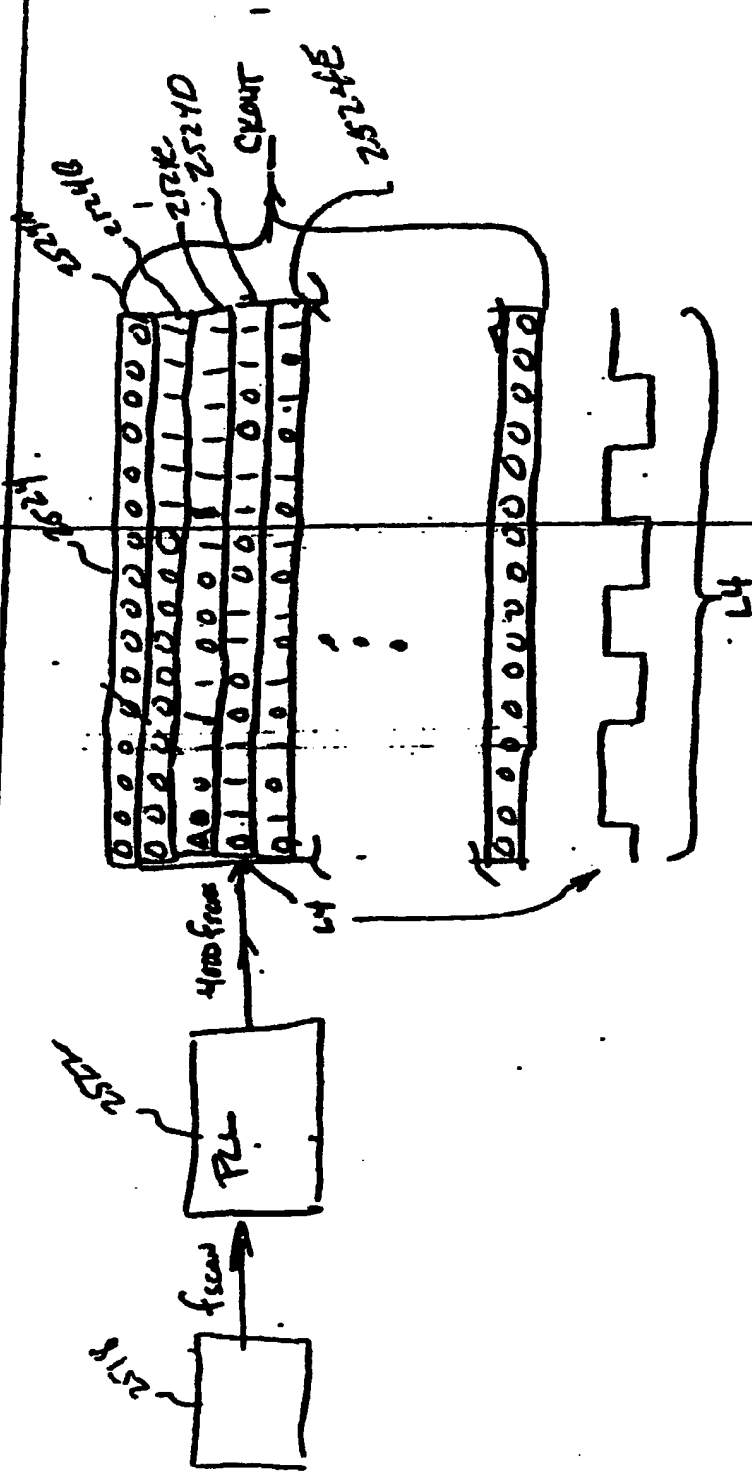
F/628











00000000000000000000

Handwritten table with 3 rows and 12 columns. The first column contains labels  $B_0$ ,  $B_1$ , and  $B_2$ . The second column contains  $B_{1/2}$ ,  $B_{1/2}$ , and  $B_{1/2}$ . The third column contains  $B_{1/4}$ ,  $B_{1/4}$ , and  $B_{1/4}$ . The fourth column contains  $B_{1/8}$ ,  $B_{1/8}$ , and  $B_{1/8}$ . The fifth column contains  $B_{1/16}$ ,  $B_{1/16}$ , and  $B_{1/16}$ . The sixth column contains  $B_{1/32}$ ,  $B_{1/32}$ , and  $B_{1/32}$ . The seventh column contains  $B_{1/64}$ ,  $B_{1/64}$ , and  $B_{1/64}$ . The eighth column contains  $B_{1/128}$ ,  $B_{1/128}$ , and  $B_{1/128}$ . The ninth column contains  $B_{1/256}$ ,  $B_{1/256}$ , and  $B_{1/256}$ . The tenth column contains  $B_{1/512}$ ,  $B_{1/512}$ , and  $B_{1/512}$ . The eleventh column contains  $B_{1/1024}$ ,  $B_{1/1024}$ , and  $B_{1/1024}$ . The twelfth column contains  $B_{1/2048}$ ,  $B_{1/2048}$ , and  $B_{1/2048}$ . Handwritten labels "2023" and "2024" are present above the first and second columns respectively. A handwritten "2025" is present above the eleventh column.

$B_0$	$B_{1/2}$	$B_{1/4}$	$B_{1/8}$	$B_{1/16}$	$B_{1/32}$	$B_{1/64}$	$B_{1/128}$	$B_{1/256}$	$B_{1/512}$	$B_{1/1024}$	$B_{1/2048}$
$B_1$	$B_{1/2}$	$B_{1/4}$	$B_{1/8}$	$B_{1/16}$	$B_{1/32}$	$B_{1/64}$	$B_{1/128}$	$B_{1/256}$	$B_{1/512}$	$B_{1/1024}$	$B_{1/2048}$
$B_2$	$B_{1/2}$	$B_{1/4}$	$B_{1/8}$	$B_{1/16}$	$B_{1/32}$	$B_{1/64}$	$B_{1/128}$	$B_{1/256}$	$B_{1/512}$	$B_{1/1024}$	$B_{1/2048}$

F1632

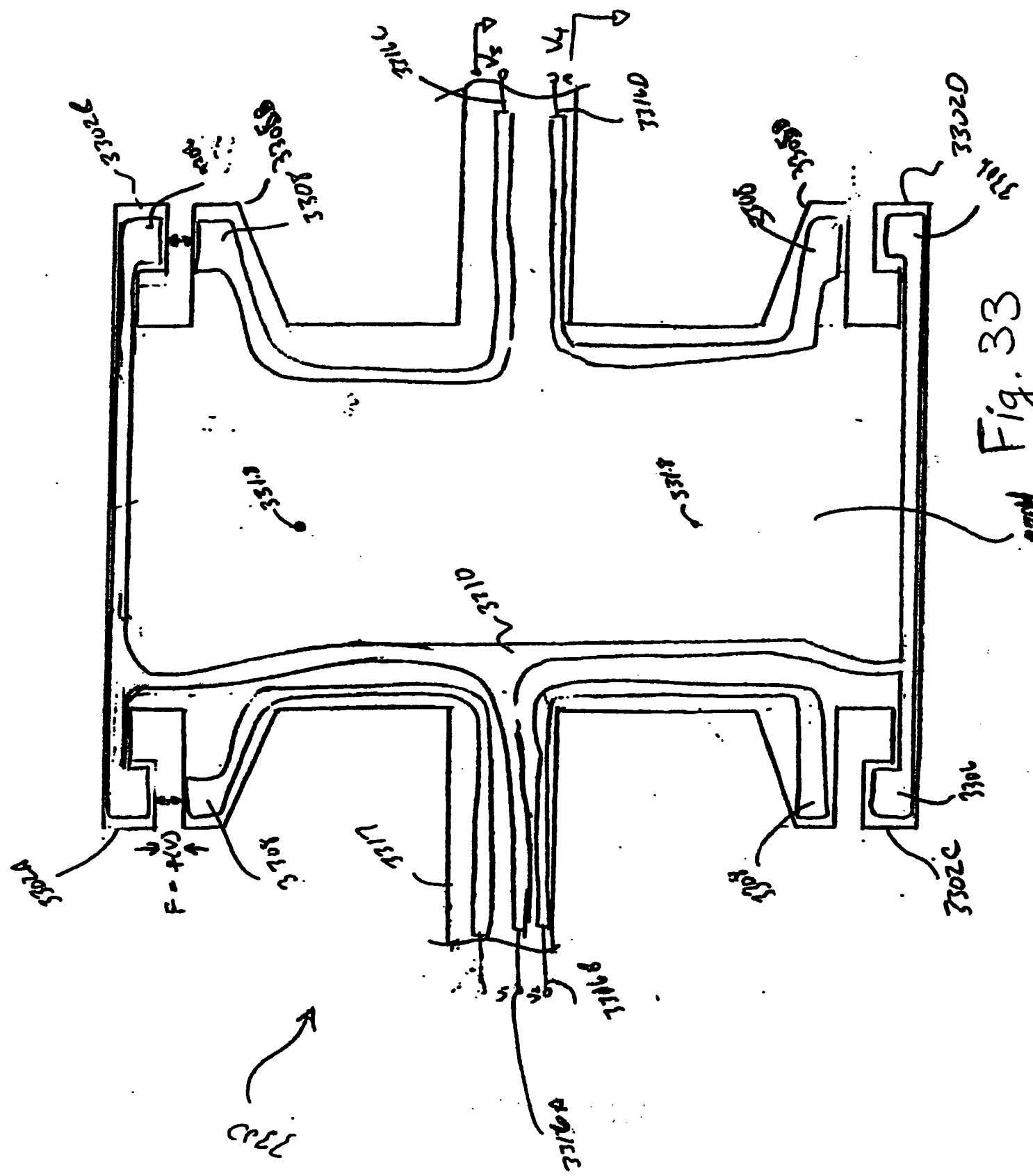
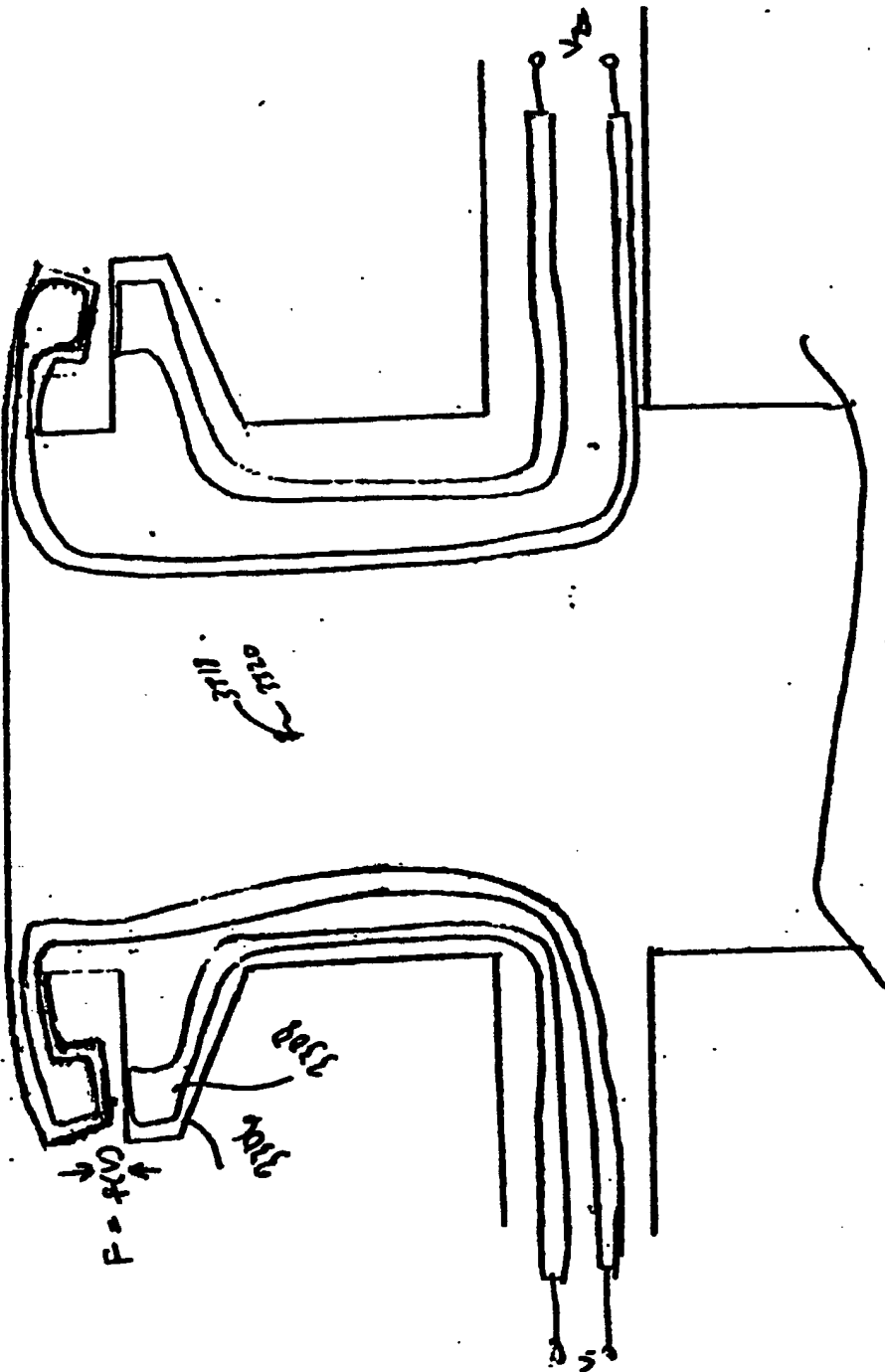
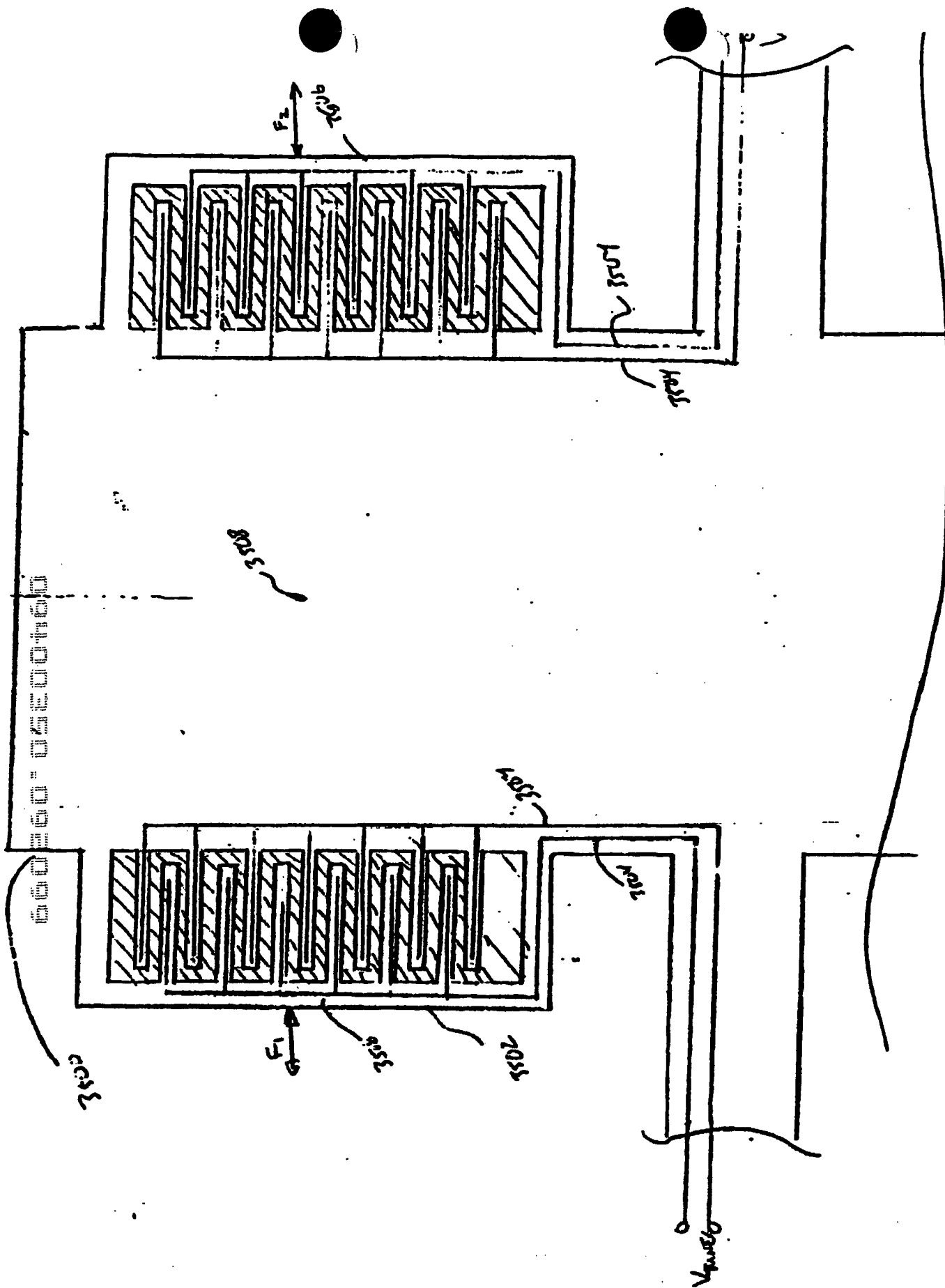


Fig. 33

66260-0500460

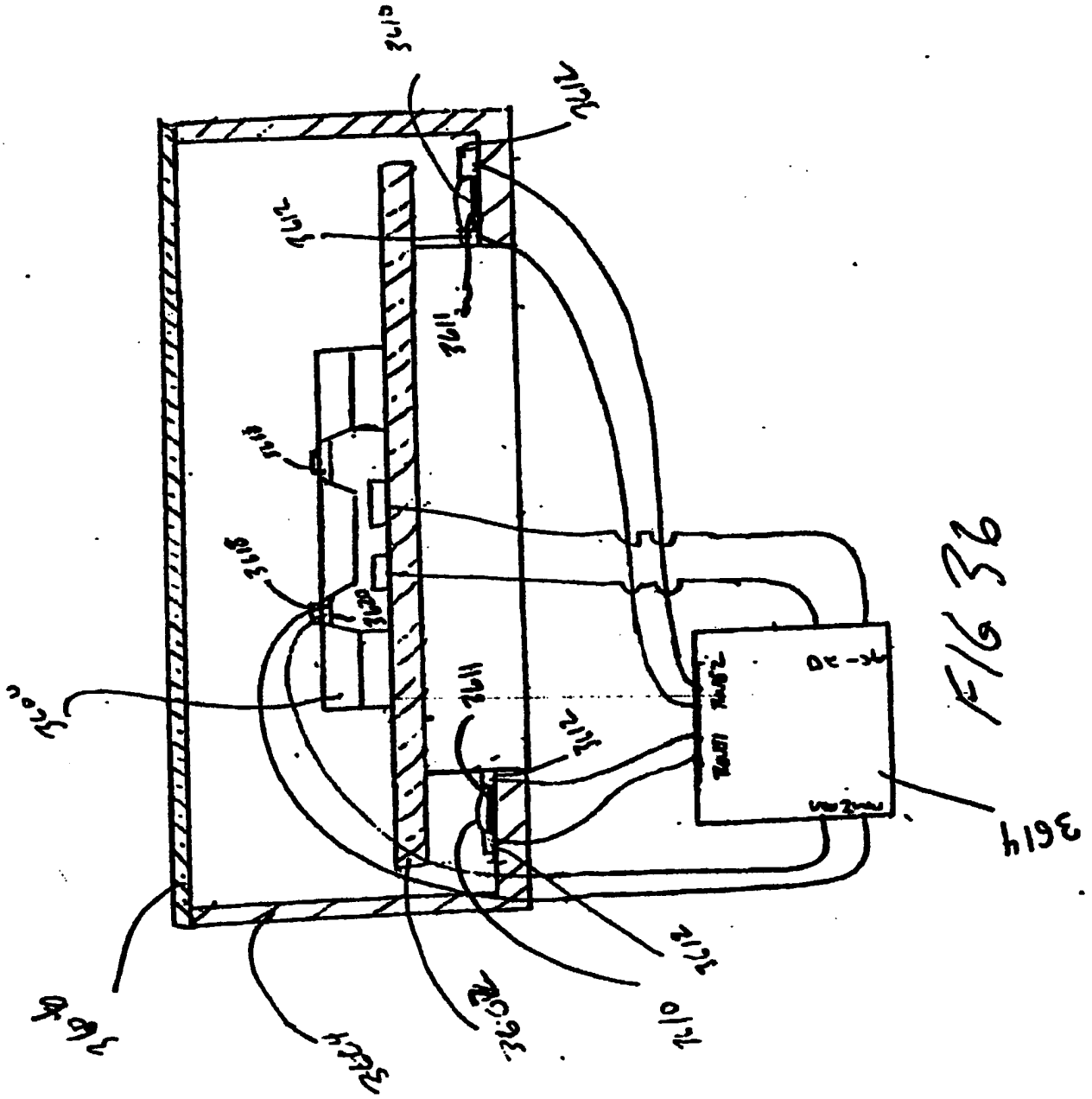


F16 34



F/G 35

660260-05200460





660220 05E00460

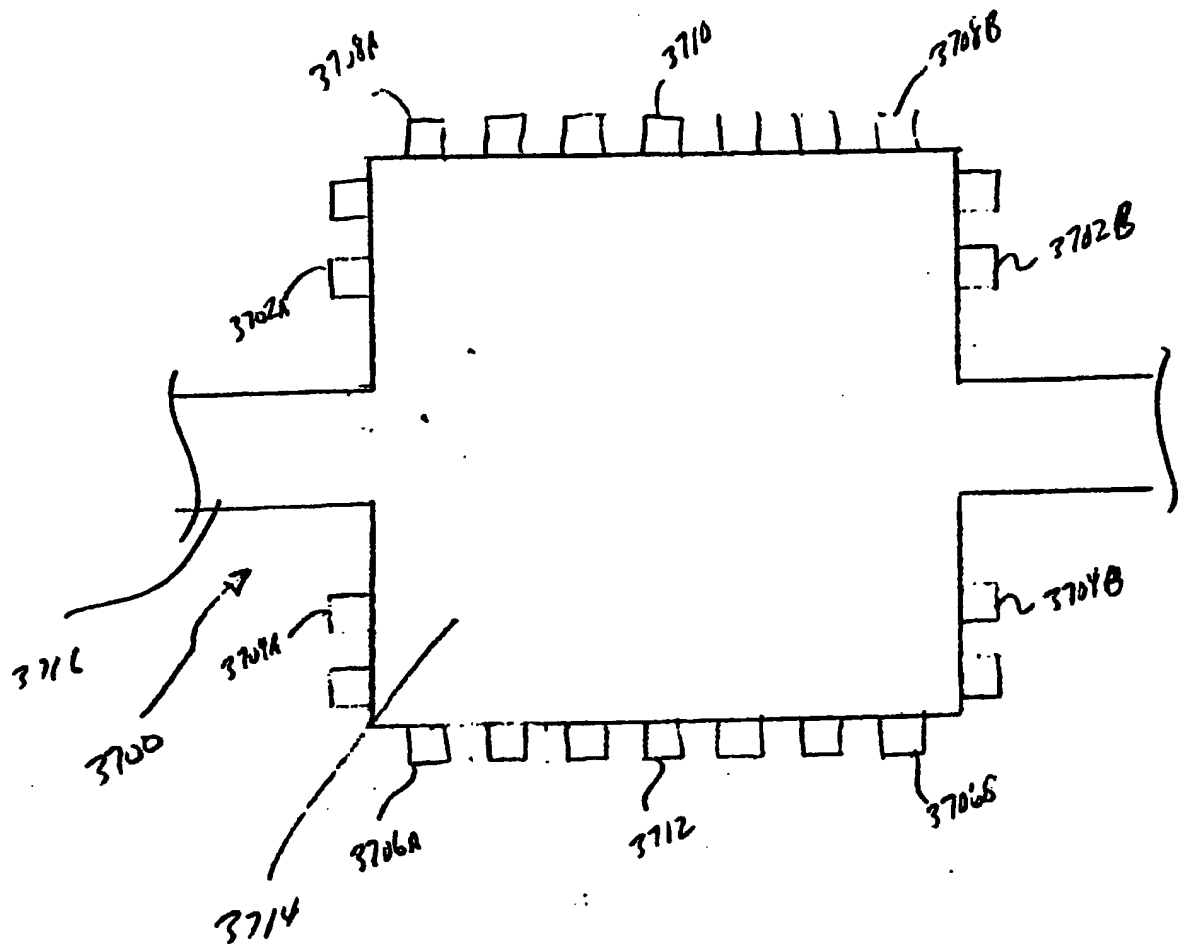


FIG 37

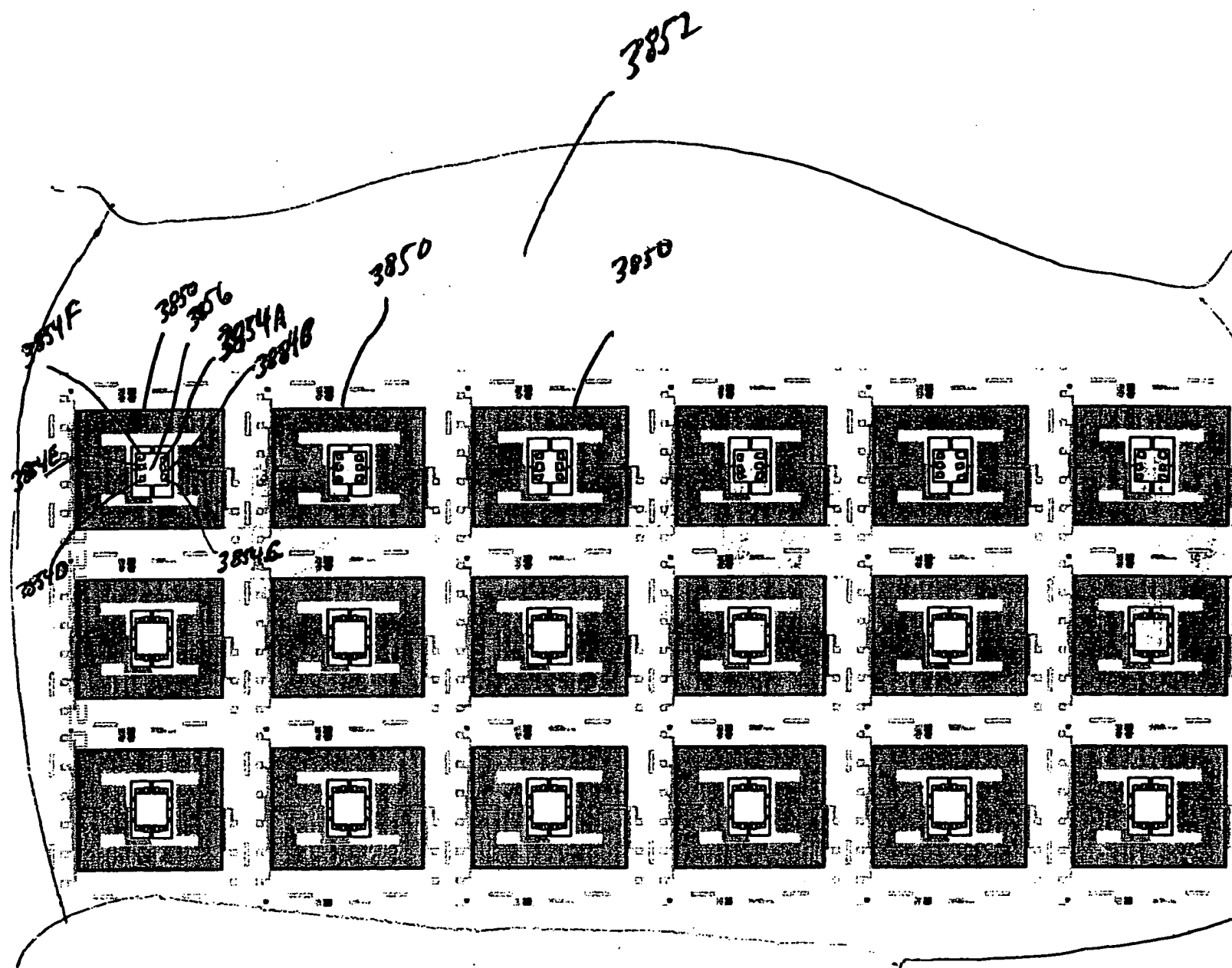


FIG 38A

600200-0500400

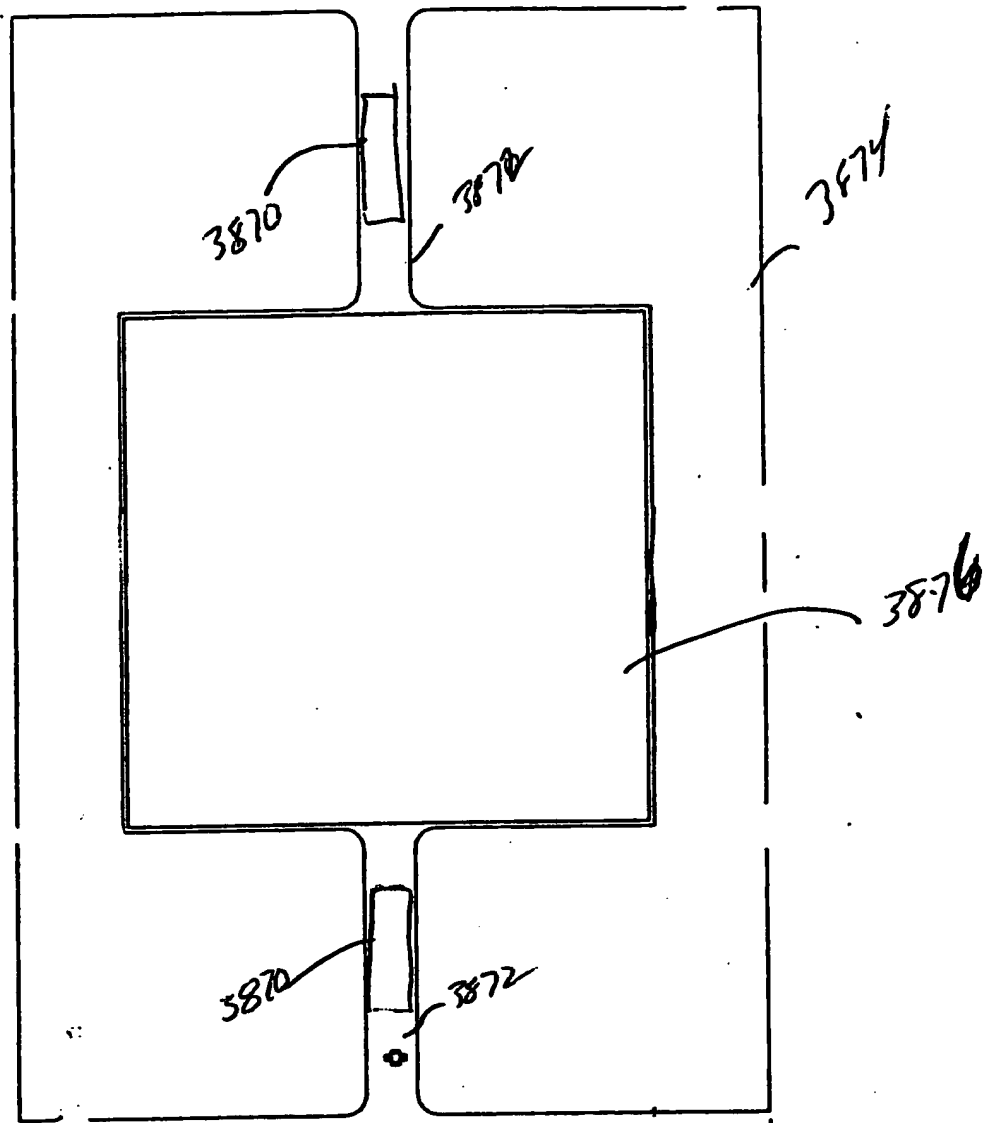


FIG 38 B

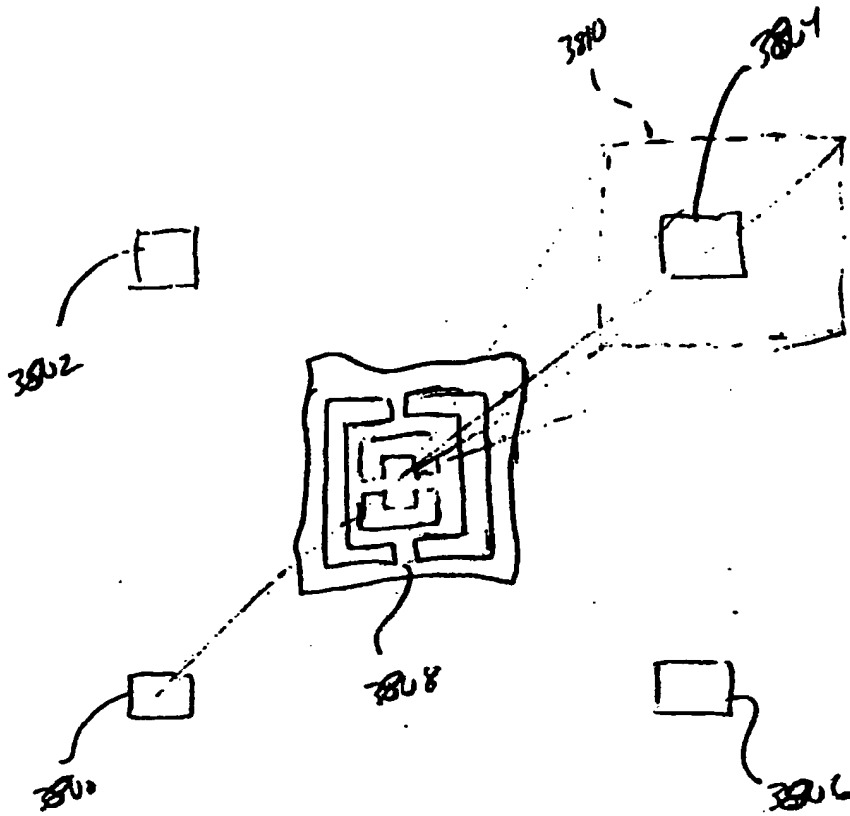


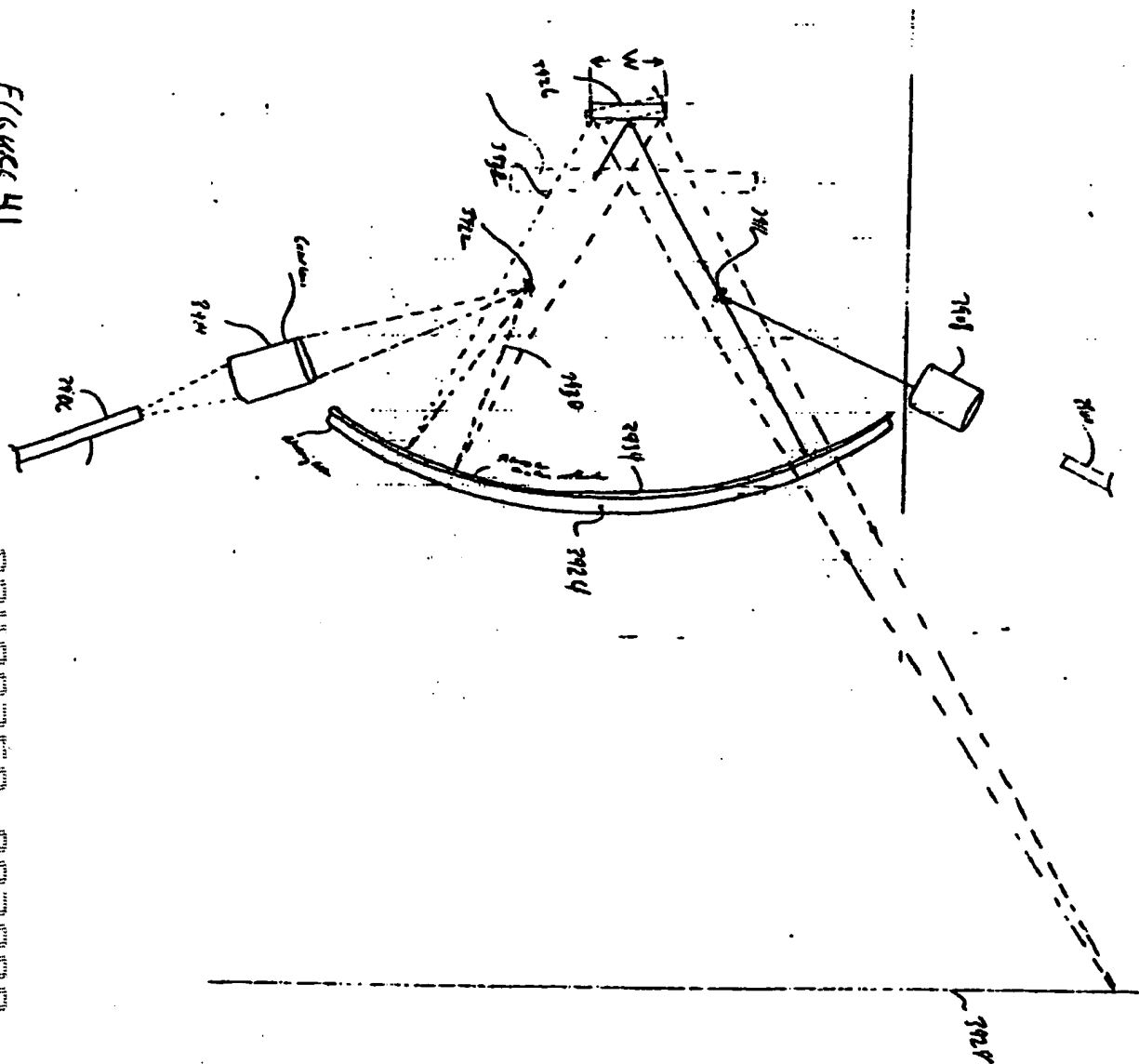
FIG 39

A hand-drawn floor plan of a room, likely a classroom or meeting room, with various numbered points and a central square. The room is bounded by a large rectangle. A central square contains a smaller square with a cross-like symbol inside. Several points are marked with small squares and labeled with numbers: 7924 at the top center, 7926 at the top right, 7920 at the bottom right, 7912 at the bottom center, 7916 at the bottom left, 7914 at the top left, 7918 at the top right, 7910 at the bottom left, 7912 at the bottom center, 7914 at the bottom right, and 7916 at the top left. A dashed line connects the central square to the point 7916. A solid line connects the central square to the point 7912. A solid line connects the central square to the point 7914. A solid line connects the central square to the point 7916. A solid line connects the central square to the point 7918. A solid line connects the central square to the point 7920. A solid line connects the central square to the point 7924. A solid line connects the central square to the point 7926. A solid line connects the central square to the point 7928. A solid line connects the central square to the point 7930. A solid line connects the central square to the point 7932. A solid line connects the central square to the point 7934. A solid line connects the central square to the point 7936. A solid line connects the central square to the point 7938. A solid line connects the central square to the point 7940. A solid line connects the central square to the point 7942. A solid line connects the central square to the point 7944. A solid line connects the central square to the point 7946. A solid line connects the central square to the point 7948. A solid line connects the central square to the point 7950. A solid line connects the central square to the point 7952. A solid line connects the central square to the point 7954. A solid line connects the central square to the point 7956. A solid line connects the central square to the point 7958. A solid line connects the central square to the point 7960. A solid line connects the central square to the point 7962. A solid line connects the central square to the point 7964. A solid line connects the central square to the point 7966. A solid line connects the central square to the point 7968. A solid line connects the central square to the point 7970. A solid line connects the central square to the point 7972. A solid line connects the central square to the point 7974. A solid line connects the central square to the point 7976. A solid line connects the central square to the point 7978. A solid line connects the central square to the point 7980. A solid line connects the central square to the point 7982. A solid line connects the central square to the point 7984. A solid line connects the central square to the point 7986. A solid line connects the central square to the point 7988. A solid line connects the central square to the point 7990. A solid line connects the central square to the point 7992. A solid line connects the central square to the point 7994. A solid line connects the central square to the point 7996. A solid line connects the central square to the point 7998. A solid line connects the central square to the point 8000.

Figure 40

FIGURE 41

09400350-092099



660260-05E00460

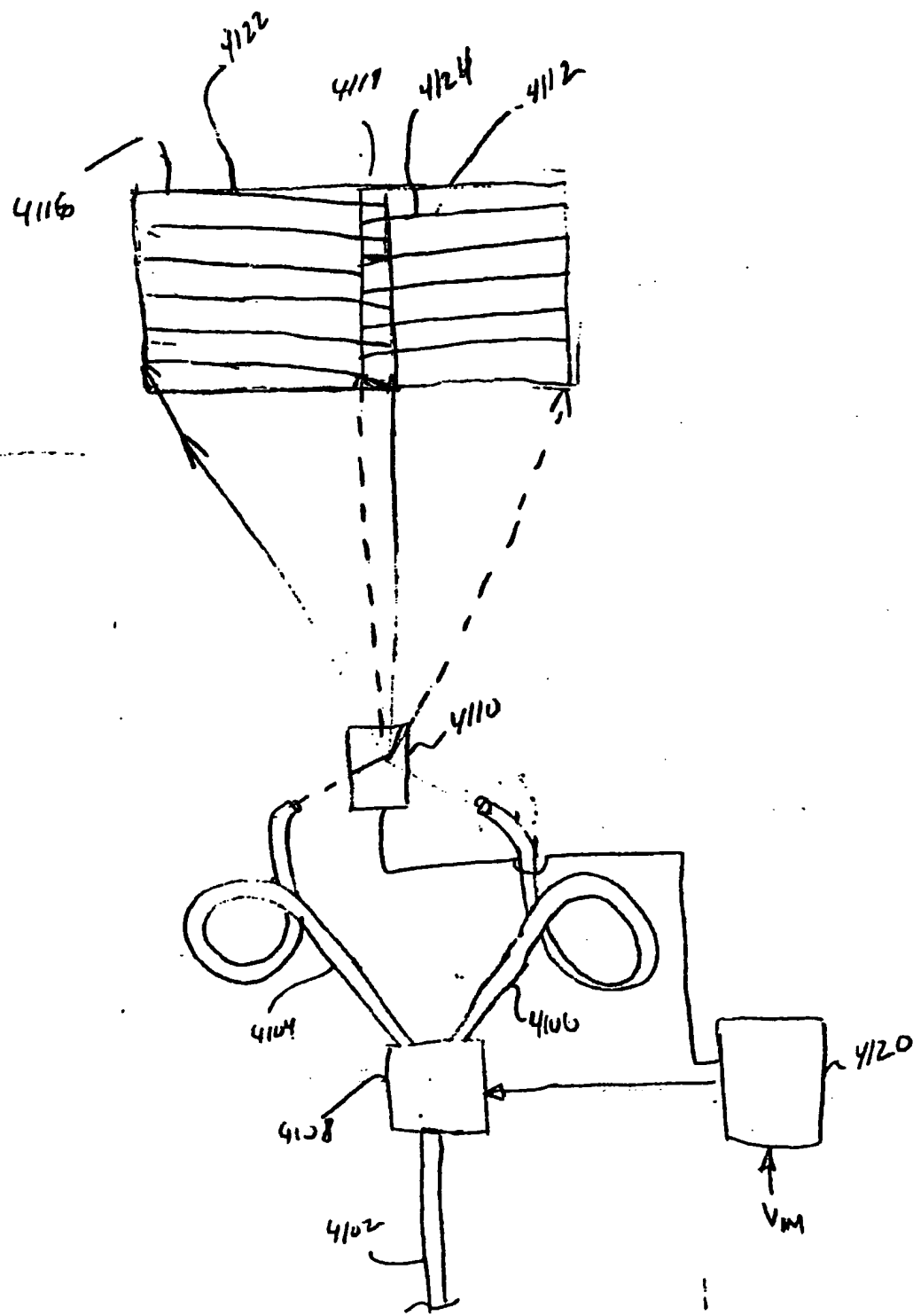
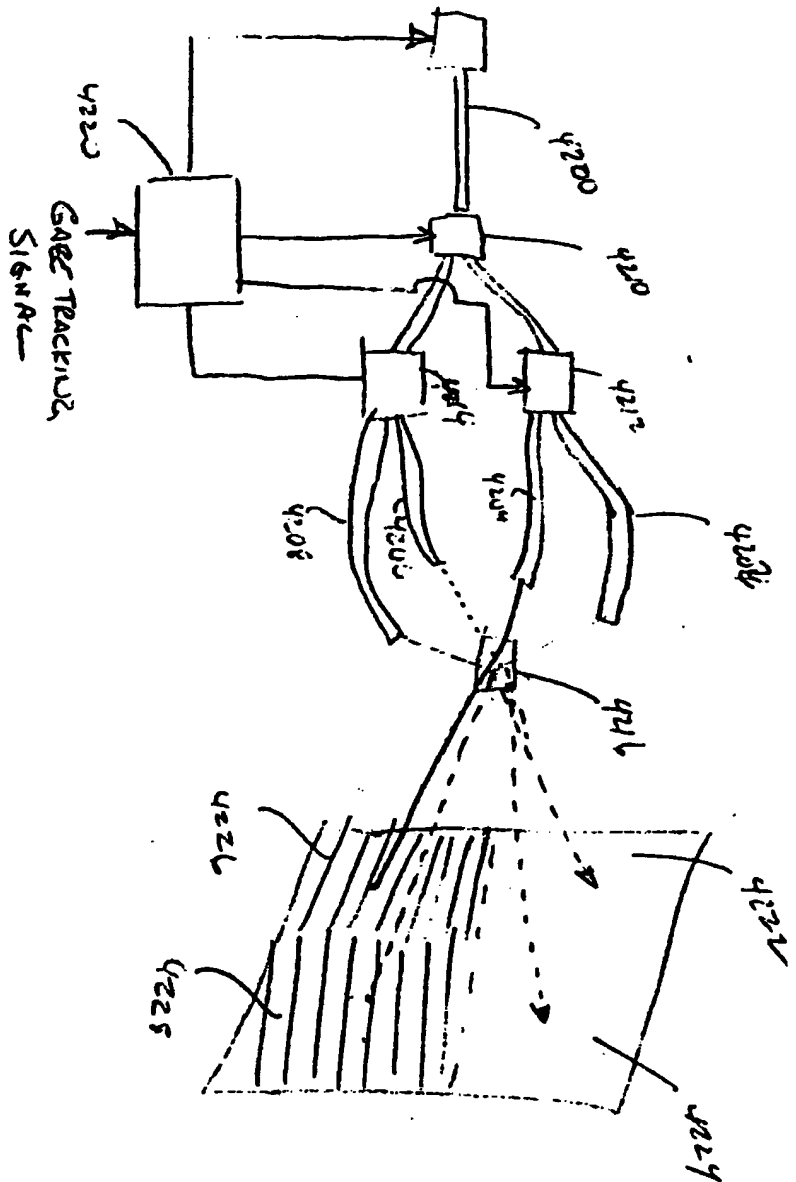


FIG 42

4/6/23





660260-03E00460

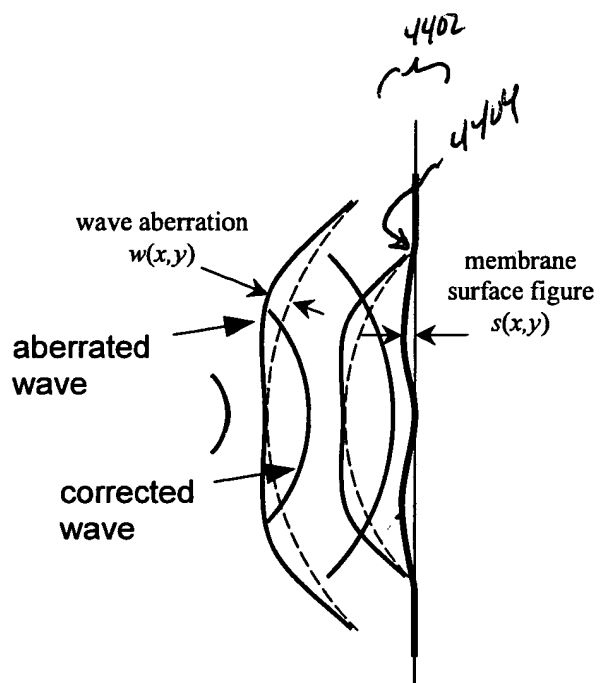


Figure 44. Wave aberration corrected by reflection from a membrane with surface shape figure  $s(x,y)$ .

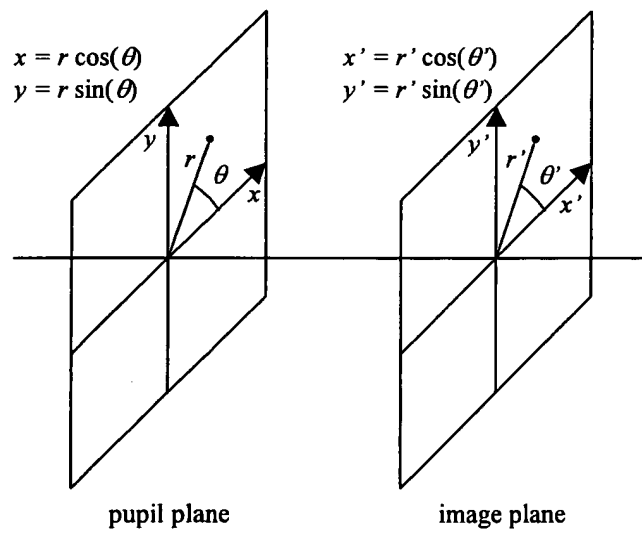
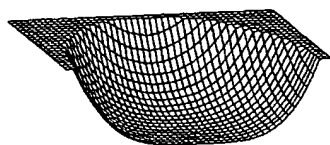


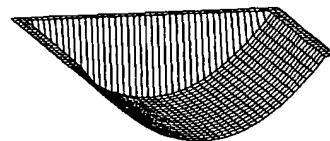
Figure 45. Coordinates for the pupil plane and image plane.



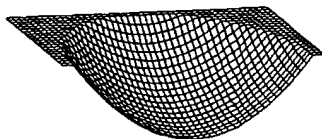
Spherical



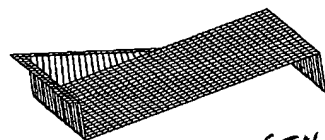
Coma



Astigmatism



Defocus and Field  
Curvature



Distortion (Tilt)

Figure 4.6 Primary aberration surfaces.

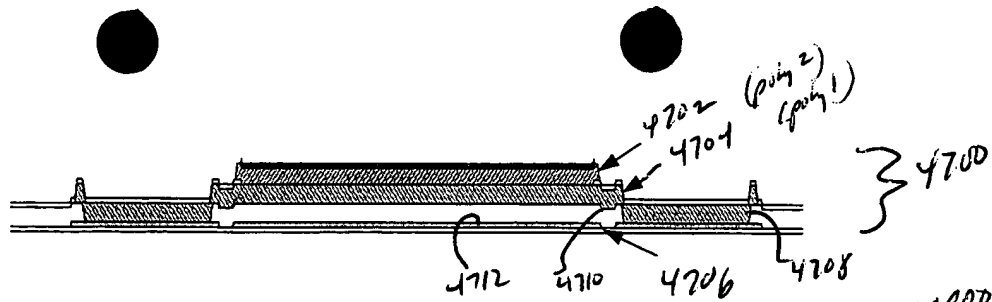


Figure 47. Cross-section View of ACM devices.

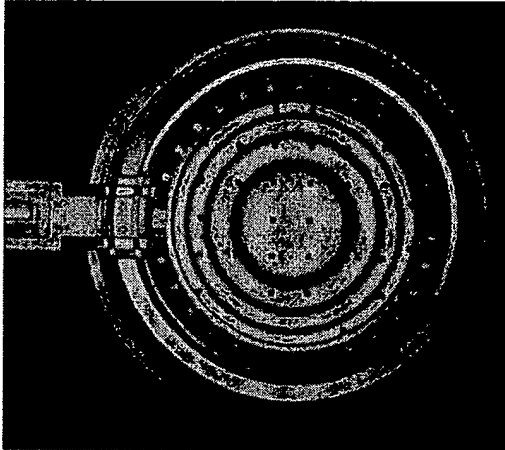


Figure 48 Circular ACM 200  $\mu\text{m}$  in diameter with 25% duty width support ring. Gold coating is intact.



Figure 49 Rectangular ACM 250  $\mu\text{m}$  long by 500  $\mu\text{m}$  wide, supported along long sides and free along short sides. Gold coating is intact.

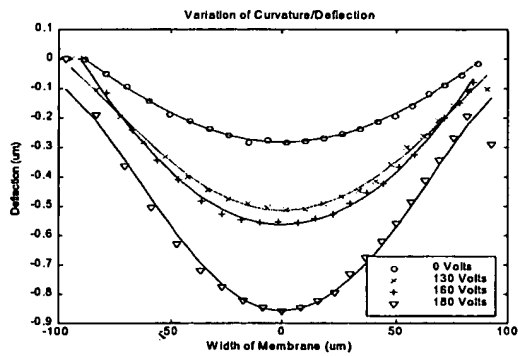


Figure 50a. 200 micron Circular Mirror with Gold, and 100% support ring.

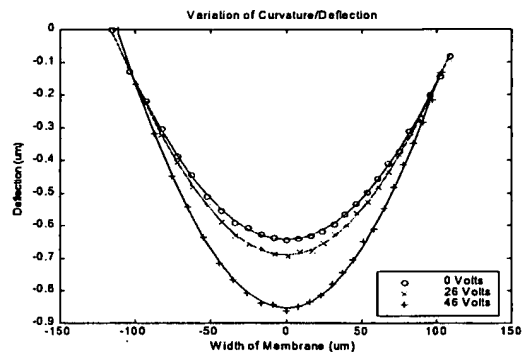


Figure 50b. 500 micron Rectangular Mirror with Gold, and 100% support strip.

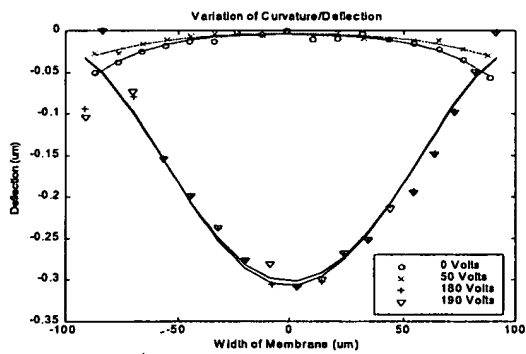


Figure 50c. 200 micron Circular Mirror with no Gold, and 100% support ring.

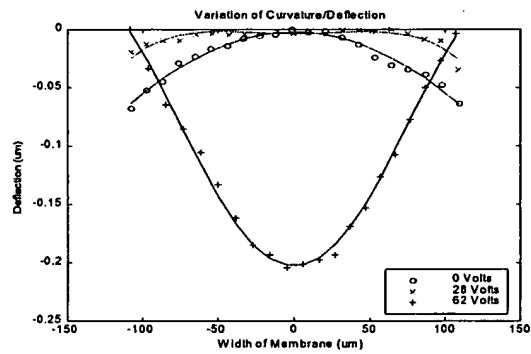


Figure 50d. 500 micron Rectangular Mirror with no Gold, and 100% support strip.

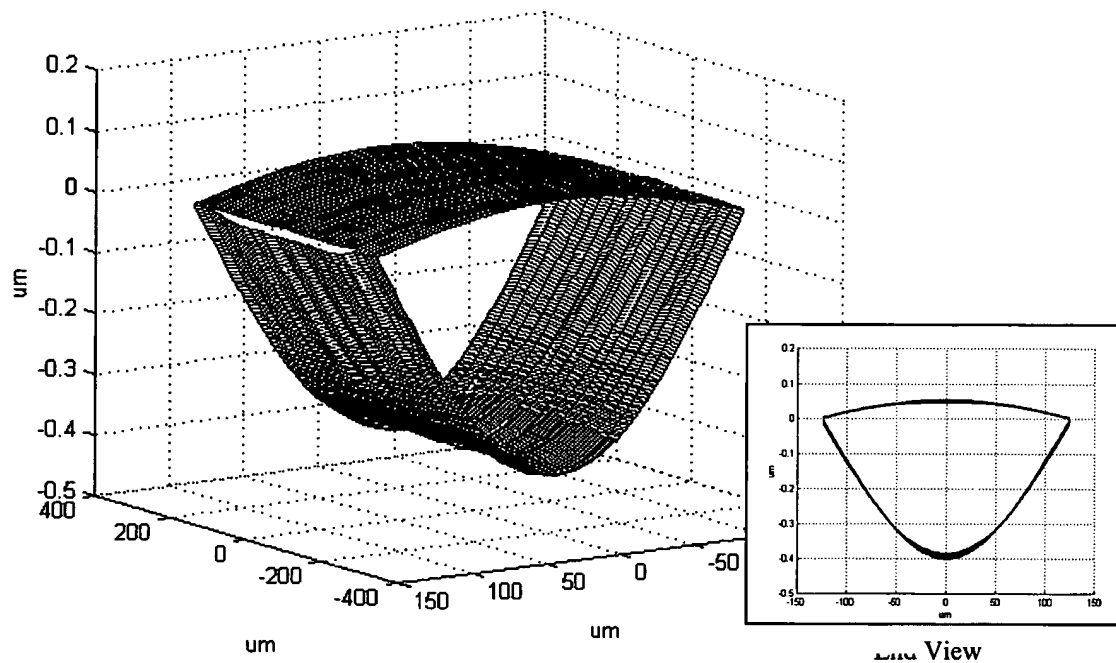
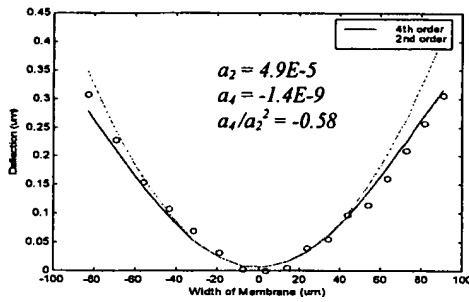
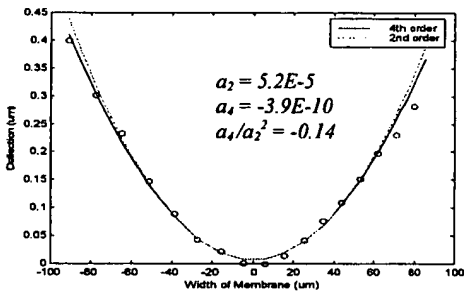
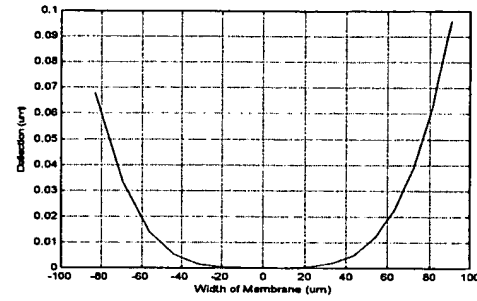


Figure 51 Surface plot of fabricated polysilicon (no gold) ACM for astigmatism compensation. Surface figure computed from interferometric microscope images.

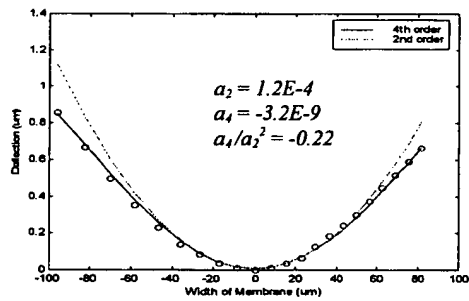
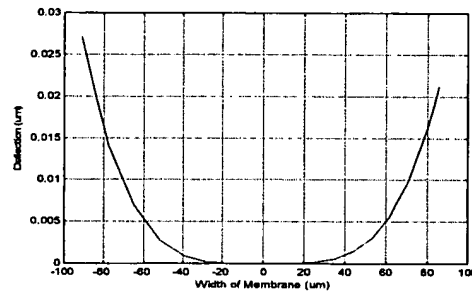
66060-050040



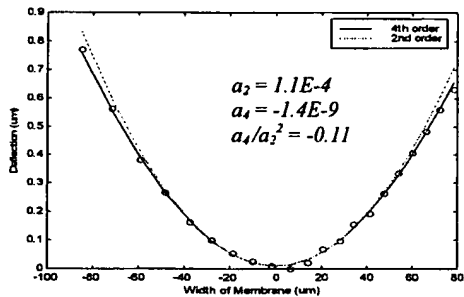
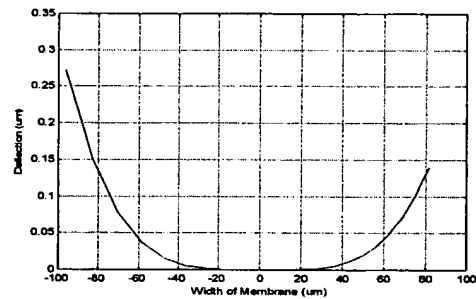
200 micron Circular Mirror with no Gold, and 100% support



200 micron Circular Mirror with no Gold, and 10% support



200 micron Circular Mirror with Gold, and 100% support



200 micron Circular Mirror with Gold, and 10% support

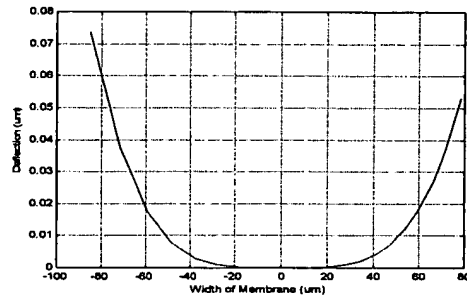


Figure 62. Effects of edge support stiffness and the presence of Gold on spherical aberration for 200  $\mu$ m diameter membranes. Curves correspond to near-maximum deflections for each device.

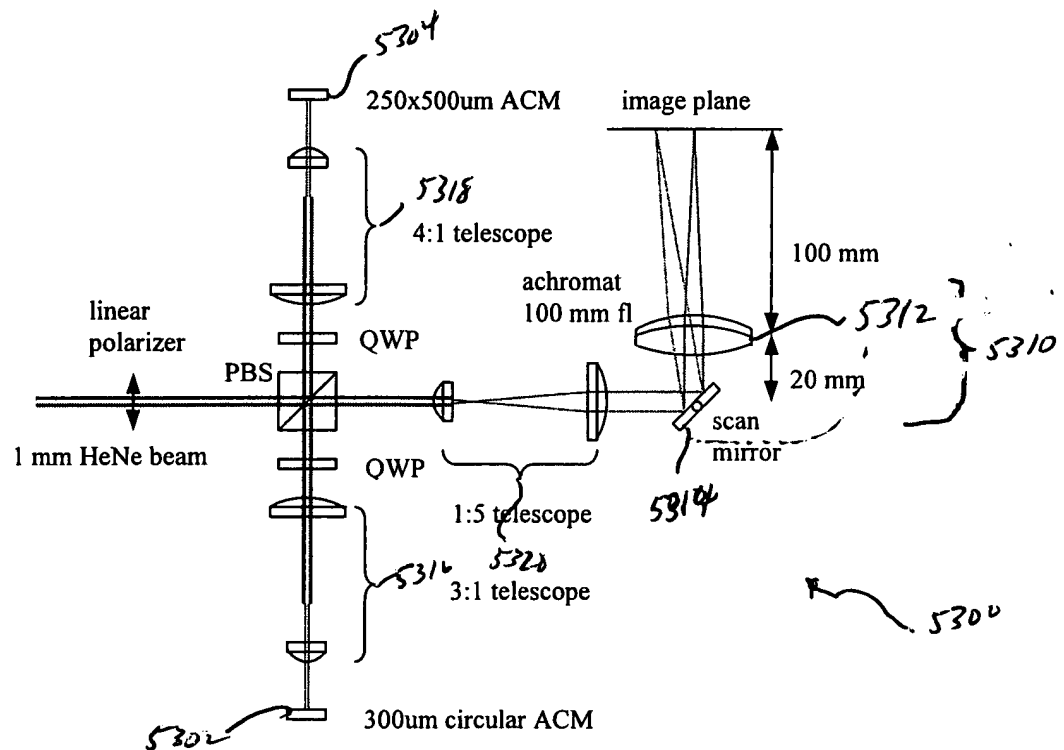


Figure 53. Laser beam scanner with ACM devices for astigmatism and field curvature correction.



**DECLASSIFICATION AUTHORITY**